

This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

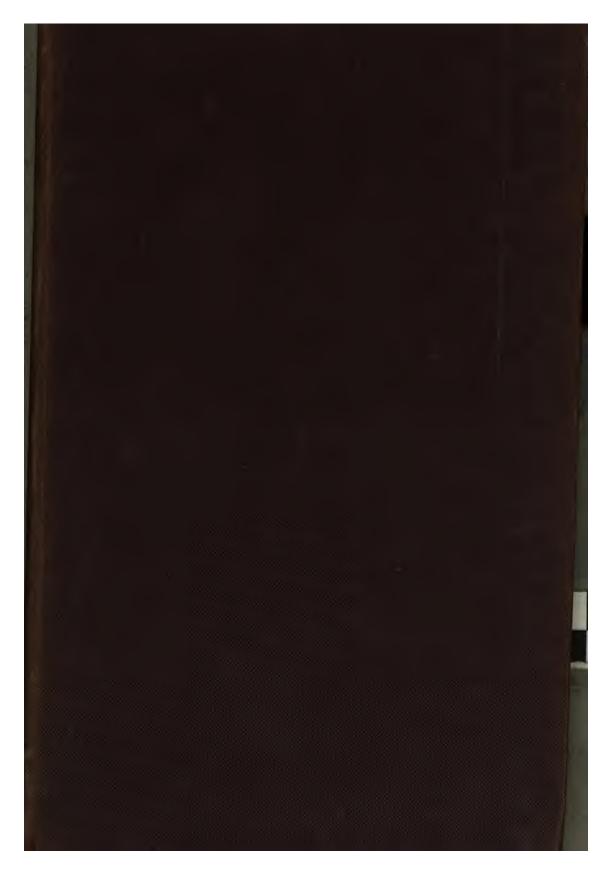
Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + Refrain from automated querying Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at http://books.google.com/



46. 425.





. . •

STATISTICS AND CALCULATIONS

ESSENTIALLY NECESSARY

TO PERSONS CONNECTED WITH



RAILWAYS OR CANALS;

CONTAINING

A VARIETY OF INFORMATION NOT TO BE FOUND ELSEWHERE.

CALCULATED AND ARRANGED BY

SAMUEL SALT.

What should one read for ?-For !-Why, to know FACTS .- POPE.

The man who writes, speaks, or meditates, without being well stocked with Facts, as landmarks to his understanding, is like a mariner who sails along a treacherous coast without a pilot, or one who adventures in the wide ocean, without either rudder or compass.—Bacon.

Facrs are to the mind the same thing as food to the body. On the due digestion of facts, depend the strength and wisdom of the one, just as vigour and health depend on the other. The wisest in council, the ablest in debate, and the most agreeable companion in the commerce of human life, is that man who has assimilated to his understanding the greatest number of facts.—Boaks.

Within the last two hundred years, or since Galileo and Bacon taught us this great lesson, we have been employed in recording Facrs in ten thousand several Yolumes. But, thus scattered, they lose so much of their value and importance, that, in another age, we may hope some aspirant after literary glory will perform the Herculean labour of condensing the whole into a volume.—Pasyman. "CONTRACTOR OF THE TAXABLE TO THE

SECOND EDITION.

LONDON:

PUBLISHED BY EFFINGHAM WILSON, ROYAL EXCHANGE; AND BRADSHAW & BLACKLOCK, 59, FLEET-STREET.

> MANCHESTER: BRADSHAW AND BLACKLOCK, 27, BROWN-STREET. 1846.

• •

REMARKS.

In arranging the following Tables, &c., it has been my endeavour to insure correctness and brevity, including much really useful information to those persons practically connected with the Merchandise department of Railways or Canals; the Carrier, also, will find it a useful compendium, if I may judge from my own practical experience for the last 20 years. The first portion of the work was drawn up for the use of Clerks I had to superintend, and saved me much trouble and repeated calculations. The statistical portion has been collected from various sources, and at different times; it is now extracted from my Memorandum Book, and offered to those who require it. I do not lay claim to originality so much, as to the peculiar means I have had of obtaining matter which hitherto has been carefully withheld from the Public.

Few persons have watched the development of the resources of the British Empire, but must admit the great power and wealth she possesses: every person connected with the transmission of Merchandise, must have been struck with the large quantities of some particular article that may have passed; and to such persons some of the following Statistics may be interesting. At some future period, the present Compiler may publish further Statistics, of a later date, to compare with what is already given. The following may be given, as an approximation, to judge what were the resources of the United Kingdom in 1842:—

	Fee Simple.	Annual Produce
Great Britain	£ 3,769,500,000	£
From	27,115,094 62,100,466 131,052,424 1,611,977,354 27,500,781 6,114,308 7,000,000 5,642,860,427	535,291,447 2,146,198 17,620,629 22,196,674 313,200,000 4,201,382 1,057,065 2,100,000

I may add, that I have here brought the Carrier a nosegay of culled flowers, to which my principal claim is the thread that ties them, and supplying the means of comparing the past with the present and future.

SAMUEL SALT.

CALCULATION

0F

TOLL OR FREIGHT,

FROM & CWT. TO 20 TONS,

AT THE VARIOUS RATES CHARGED BY CARRIERS,

FROM 1s. TO 110s. PER TON.

4LBS. MAY BE CHARGED AS & CWT., AND ALL UNDER NOT CHARGED.

One Halfpenny to be charged as a Penny, and a Farthing not charged.

·			·
	·		
		·	
·			

46. 425.





"Be faithful in fu	ifilling your a	ppointments."
--------------------	-----------------	---------------

	_	_	_		_		_					_	-	_	-	_	_	-		_		-	
		1	At.	5s.	10	Dd.	, pe	er T	on.						At (3s	• pe	r T	on.				l
			Cwi	. and	Cwt	. and								Cw	and	Cw	and			1		_	
	С	wt.		‡		2		3	ٔ ا	Tons		С	wt.		‡		2		3	١ '	Tons	.	İ
	8.	d	8.	d.	8.	d.	8.	ď.	£		d.	8.	d.	-	d.	8.	d.	8.		یک	-	d	
0	ö	ŏ	ö	0 <u>₹</u>	ö	13	ö	2 <u>1</u>	0	Ö	ö	lö	ő	ö	ı.	ö	13	ö	23	õ	ö	Ö	٥
1	ŏ	31	ŏ	41	ŏ	5 1	ŏ	$\tilde{6}^2$	ŏ	5	10	ŏ	31	ŏ	41	ŏ	51	ŏ	$6\frac{1}{4}$	ŏ	6	ŏ	1
ء	ŏ	7	ŏ	73	ŏ	83	ŏ	91	١ŏ	ıĭ	8	lŏ	71	ŏ	8	ŏ	9	ŏ	10	ŏ	12	ő	عا
3	lŏ	101	ŏ	113	ĭ	01	ĭ	12	ŏ	17	6	Ιŏ	103	ŏ	113	ĭ	03	ĭ	li	ő	18	ŏ	3
ا م	Ιĭ	2	ĭ	23	i	33	i	41	ľĭ	3	4	Ιĭ	$2\frac{104}{2}$	ĭ	31	i	41	i	5	1	4	ŏ	Ā
5	ì	5 <u>1</u>	'n	61	i	71	ì	8	li	9	2	li	6	ì	7	1	73	1	83	1	10	ŏ	5
6	1	9	1	93	i	103	1	111	1	15	ő	lt	91	1	101	1	113	2	01	1	16	ŏ	6
7	2	0 1	2	11	2	21	2	3	2	0	10	2		2	2	2	3	2	4	2	2	ŏ	7
á	2		2	43	2		2	61	2	6	8	$\frac{1}{2}$	11/3	2		2		2	7 1	2	8	ŏ	a
9	2	4	2		2	53	2	10	2	12	6	2	43	2	53	2	61	2	11 ²	2	14	ő	
10	2	7½ 11	2	8 1 11 3	3	91	3		10	18	4	3	83	3	91	3	101	3	1 t 2₹	3	0	ő	10
11	3		3		3	03	3	11	3		2	3	0	3	1		13			3	6	- 1	11
18		21		31		41		5		4	0	3	31	3	4 4	3	51	3	64			0	12
18	3	6	3	63	3	73	3	81	3	10		_	71	_	8	3	9	3	10	3	12	0	
	3	91	3	101	3	111	4	0	3	15	10	3	103	3	113	4	01	4	13	3	18	0	13
14	4	4.1	4	13	4	23	4	$3\frac{1}{2}$	4	ī	8	4	$\frac{2\frac{1}{2}}{2}$	4	31	4	41	4	5	4	4	0	14
15	4	41/2	4	51	4	61	4	.7.	4	.7	6	4	6	4	7	4	73	4	83	4	10	0	15
16	4	.8	4	83	4	93	4	103	4	13	4	4	$9\frac{1}{2}$	4	103	4	113	5	01	4	16	0	16
17	4	113	5	01	5	14	5	2	4	19	2	5	14	5	2	5	3	5	4	5	2	0	17
18	5	3	5	33	5	43	5	51	5	.5	0	5	43	5	53	5	61/2	5	71	5	8	0	18
19	5	63	5	71	5	81	5	9	5	10	10	5	81	5	91	5	101	5	11	5	14	0	19
20	5	10	5	103	5	113	6	01/2	5	16	8	6	0	6	1	6	13	6	23	6	0	0	20

"Call on a business man in business hours, transact your business, go about your business, to enable him to do his business."

			At	68	. €	3d.	pe	r To	n.					At	6s	. 8	3d.	pe	r To	n.			
	c	wt.		. and		. and		. and 3 4		Tons		Cı	vt.		and		. and		. and 3 4	i	l'ons.		
0 1 2 8 4 5 6	8. 0 0 0 0 1 1	d. 0 4 7 1 11 1 3 1 111	8. 0 0 0 1 1 1	d. 1 434 834 42 831 832 832 832 832 832 832 832 832 832 832	8. 0 0 0 1 1 1	d. 2 534 934 134 512 913	8. 0 0 0 1 1	d. 3 6 ² / ₁ 10 ² / ₂ 6 ¹ / ₂ 10 ¹ / ₂	00000111	8. 0 6 13 19 6 12	d. 0 6 0 6 0 6 0	8. 0 0 0 1 1 1	d. 0 4 8 0 4 8	8. 0 0 0 1 1	d. 1 5 9 1 5	8. 0 0 0 1 1	d. 2 6 10 2 6 10	8. 0 0 0 1 1	d. 3 7 11 3 7	00001110	0 6 13 0 6 13	d. 0 8 4 0 8 4 0	0 1 9 3 4 5
7 8 9 10 11 12 13 14 15 16 17 18	1 2 2 2 3 3 3 4 4 4 5 5 5 6 6 6	11½ 3½ 7½ 11 3 7 10¾ 6½ 6½ 10½ 6½ 10½	222333344455566	04 44 04 74 114 74 114 34 714 114 7	222333444555666	14 54 54 58 68 68 68 64 64 64 64 64 64 64 64 64 64 64 64 64	222333444555666	24 64 10 94 15 15 15 15 15 15 15 15 15 15 15 15 15	1 2 2 2 3 3 3 4 4 4 5 5 5 6 6 6	19 5 12 18 5 11 18 4 11 17 4 10 17 3	0 6 0 6 0 6 0 6 0 6 0 6 0	2223334445556666	0 4 8 0 4 8 0 4 8 0 4 8 0 4 8	2 2 2 3 3 3 4 4 4 5 5 5 6 6 6 6	1 5 9 1 5 9 1 5 9 1 5 9 1 5 9	222333444555666	2 6 10 2 6 10 2 6 10 2 6 10 2 6	222333444555666	3 7 11 3 7 11 3 7 11 3 7	222333444555666	0 6 13 0 6 13 0 6 13 0 6 13	084084084084	6 7 8 9 10 11 12 13 14 15 16 17 18 19

More despatch is attained through method and system than irregular rapidity.—Salt.

				At 7	7s	per	T	on.						At	78	. (6d.	pe	r To	n.			
	C	wt.	Cwt	and	Cwt	. and 1/2	Cw	t. and 34		Tons		c	wt.	Cwi	and 1/4	Cw	t. and 1/2	Cwt	and 34		Fons.		
0	s. 0 0	d. 0	s. 0	d. 1	s. 0 0	d. 2	s. 0	d. 31	£ 0 0	s. 0	d. 0	s. 0	d. 0	8.	d. 1	8.	d. 21	8.	d. 31	£	s. 0	d. 0	0
2	Ö	41 81	0	51 91	0	61 101	0	7½ 11½	0	14	0	0	9	0	5½ 10	0	63 114	0	7 3 0 1	0	7 15	0	2
4	1	0½ 4¾	1	13 53	1	2 ³ / ₄	1	3 ³ / ₄	1	8	0	1	$\frac{1\frac{1}{2}}{6}$	1	$\frac{2\frac{1}{2}}{7}$	1	3 ³ / ₄ 8 ¹ / ₄	1	43 91	1	10	6	3
6	1 2	9	1 2	10	1 2	11 31	2	01 41	2	15	0	1 2	10½ 3	1 2	111	2	$0\frac{3}{4}$ $5\frac{1}{4}$	2	$\frac{1\frac{3}{4}}{6\frac{1}{4}}$	1 2	17	6	5
7 8	2 2	5½ 9½	2 2	61 103	2 2	75	2	81 03	2 2	9	0	2 3	71	2 3	$\frac{8\frac{1}{2}}{1}$	2	9 ³ / ₄ 2 ¹ / ₄	2 3	103	2 3	12	6	7
9	3	13/4 6	3	234	3	4	3	5 91	3	3	0	3	4½ 9	3	5½ 10	3	$6\frac{3}{4}$	3	74	3	7	6	9
11	3	101	3	111	4	01	4	11	3	17	0	4	11	4	21/2	4	11½ 3¾	4	01 43 43	4	15	6	11
13	4	2½ 6½	4	3½ 7¾	4	4½ 8¾	4	51 93	4	11	0	4	6 10½	4	111	5	84 04	5	9¼ 1¾	4	10 17	6	13
14	5	103 3	5	1134	5	5	5	2 61	5	18	0	5	3 7½	5	81	5	51 93	5	61 103	5	12	6	14
16	5	7± 11±	6	81 01	5	9 ¹ / ₄ 1 ¹ / ₂	5	$\frac{10\frac{1}{4}}{2\frac{1}{2}}$	5	12 19	0	6	0 41	6	1 51	6	2 ¹ / ₄ 6 ³ / ₄	6	31 73	6	7	6	16
18 19	6	3½ 7¾	6	43 83	6	$\frac{5\frac{3}{4}}{10}$	6	$6\frac{3}{4}$	6	6	0	6	9°	6	10 21	6	11 ¹ / ₄ 3 ³ / ₄	7	01 43 43	6	15	6	18
20	7	0	7	1	7	2	7	31	7	0	0	7	6	7	7	7	81	7	91	7	10	0	2

"Try to think and act for yourself."

				At	Bs.	pe	T	on.						At	8 s	. 4	ld.	pe	r To	n.			
	Cv	vt.	Cwt	and	-	and 2		. and 3	1	Tons		C	wt.	Cwt	and	Cwt	. and 1 2	Cw	t, and 3 4	100	rens		
0	8.	d.	8.	d.	s.	d.	s.	d.	£	8.	d.	8.	d.	s.	d.	8.	d.	s.	d.	€	s.	d.	
100	0	0	0	14	0	$2\frac{1}{2}$	0	$3\frac{1}{2}$		0	0	0	0	0	11	0	$2\frac{1}{2}$	0	33	0	0	0	o
1	0	43	0	6	0	74	0	81		8	0	0	5	0	61	0	71	0	83	0	8	4	1
2	0	91	0	103	1	0	1	14	0	16	0	0	10	0	114	1	01	1	13	0	16	8	2
3	1	$2\frac{1}{2}$	1	$3\frac{1}{2}$	1	43	1	6	1	4	0	1	3	1	41	1	51	1	$6\frac{3}{4}$	1	5	0	3
4	1	71	1	81	1	91	1	103		12	0	1	8	1	91	1	$10\frac{1}{2}$	1	113	1	13	4	4
5	2	0	2	14	2	$2\frac{1}{2}$	2	31	2	0	0	2	1	2	21	2	$3\frac{1}{2}$	2	43	2	1	8	5
6	2	44	2	6	2	74	2	81	2	8	0	2	6	2	74	2	81	2	93	2	10	0	6
7	2	$9\frac{1}{2}$	2	103	3	0	3	14	2	16	0	2	11	3	01	3	11/2	3	23	2	18	4	7
8	3	$2\frac{1}{2}$	3	$3\frac{1}{2}$	3	43	3	6	3	4	0	3	4	3	54	3	61	3	73	3	6	8	8
9	3	74	3	81	3	91	3	103	3	12	0	3	9	3	104	3	111	4	$0^{\frac{3}{4}}$	3	15	0	9
10	4	0	4	14	4	$2\frac{1}{2}$	4	31	4	0	0	4	2	4	31	4	41	4	53	4	3	4	1
11	4	43	4	6	4	71	4	81	4	8	0	4	7	4	81	4	91	4	103	4	11	8	1
12	4	91	4	$10\frac{3}{4}$	5	0	5	11	4	16	0	5	0	5	11	5	$2\frac{1}{2}$	5	33	5	0	0	1:
13	5	21	5	31	5	43	5	6	5	4	0	5	5	5	61	5	$7\frac{1}{2}$	5	83	5	8	4	1
4	5	74	5	81	5	91	5	$10\frac{3}{4}$	5	12	0	5	10	5	114	6	01	6	13	5	16	8	1
15	6	0	6	11	6	$2\frac{1}{2}$	6	31	6	0	0	6	3	6	41	6	51	6	63	6	5	0	1.
6	6	43	6	6	6	71	6	81	6	8	0	6	8	6	91	6	10%	6	113	6	13	4	1
7	6	91	6	$10\frac{3}{4}$	7	0	7	11	6	16	0	7	1	7	21	7	31	7	43	7	1	8	1
8	7	$2\frac{1}{2}$	7	31	7	43	7	6	7	4	0	7	6	7	71	7	81	7	93	7	10	Ö	18
19	7	71	7	81	7	91	7	103	7	12	0	7	11	8	01	8	11	8	23	7	18	4	1
10	8	0	8	11	8	21	8	31	8	0	0	8	4	8	51	8	61	8	73	8	6	8	2

"Cultivate perseverance and punctuality."

				" 7	l'o si	sy littl	e ar	d peri	form	muc	h is	the	chara	teri	stic of	a g	reat m	ind.	,,				
		·	At	8s	. €	3d.	pe	r To	n.						At §	9s	• pe	r I	on.				
	С	wt.	Cwt	and	Cwi	and	Cw	i. and 3 4		Tons		c	wt.	Cw	and	Cw	t. and	Cw	t. and	1	Tons		
0 1 2 3 4 5 6 7 8 9 10 11 12 13	5.00011222334455	d. 0 5 10 1 3 1 1 4 1 1 0 3 8 1 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6	8. 0 0 0 0 1 1 1 2 2 3 3 3 4 4 5 5 5	d. 144 644 944 944 944 944 944 944 944 944 9	8. 0 0 1 1 1 2 2 3 3 4 4 4 5 5	d. 21/2 74/2 74/2 51/2 71/2 71/2 71/2 71/2 71/2 71/2 71/2 7	s. 0 0 1 1 2 2 2 3 3 4 4 5 5 5	d. 3章 9 2 7 0章 5章 10章 13章 13章 60 5	£	s. 0 8 17 5 14 2 11 19 8 16 5 13 2 10	4.06060606060606	8. 0 0 0 0 1 1 2 2 3 3 4 4 4 5 5	d. 0 5½ 10¼ 4¼ 9¼ 1½ 7¼ 7¼ 10¼ 11½ 10¼ 10¼ 10¼ 10¼ 10¼ 10¼ 10¼ 10¼ 10¼ 10¼	8. 0 0 0 1 1 1 1 2 2 3 3 4 4 5 5 5	d. 11 6 6 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1 1 6 1	s. 0 0 1 1 2 2 2 3 3 4 4 5 5 6	d. 24 8 14 7 04 54 11 44 2 74 1	0 1 1 2 2 3	d. 4 9½ 8¼ 7 0¼ 1¼ 4¼ 10 3½ 8¼ 1½ 2¼	£ 0 0 0 1 1 2 2 3 3 4 4 4 5 5	8. 0 9 18 7 16 5 14 3 12 1 10 19 8 17	4.00000000000000	0 1 2 8 4 5 8 7 8 9 10 11 12 13
14 15 16	5 6 6	113 43 93	6 6 6	03 53 103	6 6 7	2 7 0 1	6 6 7	3½ 8½ 1½	5 6 6	19 7 16	0 6 0	6 6 7	3½ 9 2½	6 6 7	5 10 1 3 1	6 6 7	61 112 5	6 7 7	7 3 1 61	6 6 7	6 15 4	0 0	14 15 16
17 18 19	7 7 8 8	23 73 1 6	7 7 8 8	4 9 2 1 71	7 7 8 8	5½ 10½ 3½ 8½	7 7 8 8	6½ 11½ 4¾ 9¾	7 7 8 8	13 1 10	6 0 6 0	7 8 8 9	73 11 61	7 8 8 9	9 1 2 1 8 11	7 8 8 9	10½ 4 9¼ 2¾	7 8 8 9	113 51 103 4	7 8 8 9	13 2 11 0	000	17 18 19

" Knowledge is the	e treasure of the	e mind, discretion	the	key to it.	"
--------------------	-------------------	--------------------	-----	------------	---

			At	9s	. €	3d.	pe	r To	n.					A	t 1	Os	• p	er 7	Con.				
	c	wt.		. and 1	Cwi	and		. and 3 4		Tons		C	wt.		and	1	and		. and 3 4		rons.	•	
0 1 2 8 4 5 6 7 8 9 10 11 12	s. 0 0 0 1 1 2 2 3 3 4 4 5 5 6	d. 0 5 1 1 1 5 1 0 1 4 1 1 0 1 4 1 1 0 1 4 1 1 0 1 1 1 1	8. 0 0 0 1 1 2 2 2 3 3 4 4 5 5 6	d. 13 7 03 63 04 6 11 4 4 1 1 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	8. 0 0 1 1 2 2 3 3 4 4 4 5 5 6	d. 23 8 24 8 24 74 6 3 6 6 1 3 1 1 4 5 1 1 1 5 1 1 1 5 1	s. 0 0 1 1 2 2 3 3 4 4 5 5 6 6	d. 41 10 31 91 3 81 17 11 7 01 61	0000112233344556	8. 0 99 198 187 176 165 154 143	d.0606060606060606	8. 0 0 1 1 2 2 3 3 4 4 5 5 6 6	d. 0 6 0 6 0 6 0 6 0 6 0 6 0 6	8. 0 0 1 1 2 2 3 3 4 4 4 5 5 6 6 6	d. 122722712271227122712271227122712271227	0 1 1 2 2	d. 39393939393939	s. 0 0 1 1 2 2 3 3 4 4 5 5 6 6 6	d. 4½ 10½ 10½ 10½ 10½ 10½ 10½ 10½ 10½ 10½ 10	20011222334455666	8. 0 10 0 10 0 10 0 10 0 10 0 10	d. 000000000000000000000000000000000000	0 1 2 3 4 5 6 7 8 9 10 11 12 13
13 14 15 16 17 18 19	6 7 7 8 8 9 9	73 13 74 1 64 04	6 7 7 8 8 9 9	91 3 81 21 81 71 71	6 7 7 8 8 9 9	103 41 10 33 91 31 83	7 7 7 8 8 9 9	0 53 11½ 5½ 103 4½ 10¼	6 7 7 8 8 9 9	13 2 12 1 11 0 10	0 6 0 6 0	7 7 8 8 9 9	0 6 0 6 0	7 7 8 8 9 9	12 72 12 72 12 72 12 72 12	7 7 8 8 9 9	3939393	7 7 8 8 9 9	10½ 4½ 10½ 4½ 10½ 4½ 10½ 4½	7 7 8 8 9 9	10 0 10 0 10 0 10	0000000	14 15 16 17 18 19
						"Exs	mpl	e has	a m	ore p	(OWe)	ful i	afluer	ice ti	an p	receg	t."						

								417	Time	e lost	can	not !	e reg	aine	d."								
		P	۱t.	LO	3. (6d.	, pe	er T	on.				A						er I				
	С	wt.	Cwt	and	Cwi	i. and 1 2	Cw	t. and 3 4	ı	Tous		С	wt.	Cwi	and	Cw	t. and	Cw	t. and 3 4		Tons		,
0 1 2 8 4 5 6 7 8 9 10 11 12	s. 0 0 1 1 2 2 3 3 4 4 5 5 6 6 6	d. 0 61 7 11 71 8 21 8 3 1 1 0	1 1 2 2 3 3 4 4 5 5 6	d. 1½ 8 2½ 8½ 9 3½ 4 10½ 11 5½ 11 ½	0 1 1 2 2 3 3 4 4 4 5 6 6 7	d. 34 94 34 10 44 104 5 114 64 64 1	8.0 0 1 1 1 2 3 3 4 4 5 5 6 6 7	d. 42 11 51 11 6 01 72 72 81 21 21	0 1 1 2 2 3 3 4 4 5 5 6	8. 0 10 1 11 2 12 3 13 4 14 5 16 16	4.06060606060606060	8. 0 0 1 1 2 2 3 3 4 4 5 5 6 7 7	d. 0 6½ 1 7½ 2 8½ 3 9½ 4 10½ 5 11½ 6 0½	8. 0 0 1 1 2 2 3 3 4 5 6 6 7	d. 1½ 8 2½ 9 3½ 10 4½ 11 5½ 0 6½ 7½	0 1 1	d. 313 414 104 104 104 104 104 104 104 104 104	0 1 2 2 3 4 4	d. 44 114 54 114 54 14 14 14 14 14 14 14 14 14 14 14 14 14	£ 0 0 1 1 2 2 3 3 4 4 5 5 6 7 7	8. 0 10 1 12 3 14 5 15 6 17 8 19 10 0	d. 0 10 8 6 4 2 0 10 8 6 4 10 10 10 10 10 10 10 10 10 10 10 10 10	0 1 2 3 4 5 6 7 8 9 10 11 12
14 15 16	7 7 8	41 101 41	7 8 8	5₹ 0 6 1	7 8 8	7 1 1 1 8	7 8 8	9 3 1 9 <u>1</u>	7 7 8	7 17 8	0 6 0	88	7 1 1 8	8 8	8½ 3 9½	8	10 1 43 111	8 9	113 61 03	8 8	11 2 13	8 6 4	14 15 16
17 18 19 20	8 9 9 10	11 5½ 11¾ 6	9 10 10	0 3 7 1 1	9 9 10 10	21 81 21 91	9 9 10	3 ³ / ₁ 10 4 ¹ / ₂ 10 ³ / ₄	8 9 9	18 9 19 10	-	9 10 10	2½ 9 3½ 10	9 10 10	4 10 1	9 10 10 11	53 01 63 11	10 10	71 12 81 23	9 9 10 10	15 5 16	2 0 10 8	17 18 19 20

If possible, reply to all letters the same day you receive them.—SALT.

				At]	118	3. pe	er I	Con.						At	11:	g. (6d	, pe	er T	on.			
	(wt.	Cw	t. and	Cwi	and		. and 3 4		Tons		G	wt.	Cw	t. and	Cw	. and	Cw	. and 3 4		rons.		
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	s. 0 0 1 1 1 2 2 3 3 4 4 4 5 6 6 7 7 8 8 9 9	d. 0 0 6½ 1½ 7½ 9 3½ 10¼ 4¾ 11½ 8½ 9 3½ 10¼ 11½ 11½ 11½ 11½ 11½ 11½	s. 0 0 1 1 2 2 3 3 4 5 5 6 6 7 7 8 8 9	d. 13 84 23 94 4 104 54 114 64 34 114 55 115 55 115 55 115 55 115 55 115 55 115 55 115	s. 0 0 1 1 2 3 3 4 4 5 5 6 6 7 7 8 9 9	d. 31/10 41/10 11 51/2 91/4 101/2 5 11/4 61/1 71/2	s. 0 0 1 2 2 3 3 4 4 5 5 6 7 7 8 8 9 9	d. 5 11 64 04 74 2 8 3 4 4 11 6 6 11 6 11 6 11 6 11 6 11 6 1	£0011223334456677889	8. 0 11 2 13 4 15 6 17 8 19 10 1 12 3 14 5 16 7	d. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8.0001122344556678899	d. 0 7 1	1 2	d. 134 814 814 814 814 814 814 814 814 814 81	0 1 2 2 3 3 4 4 5	d. 3½ 10½ 5½ 0½ 7 2 8¾ 3¾ 10¾ 9½ 4 1 5¾ 0½ 0¾	3. 0 1 1 1 2 2 3 3 4 5 5 6 6 6 7 7 8 9 9 10	d. 54 50 7 1 8 3 3 4 1 5 5 1 4 1 5 5 1 4 1 5 5 1 4 1 5 5 1 4 1 5 5 1 4 1 5 5 1 4 1 5 1 5	2001122344556678899	s. 0 111 3 14 6 17 9 0 12 3 15 6 18 9 1 12 4 15	d. 0 6 0 6 0 6 0 6 0 6 0 6 0 6 0 6 0 6 0	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 17
18 19 20	9 10 11	51	10 10 11	-	10 10 11		10 10 11	3 1 10 1 51		18 9 0		10 10 11	4 1 11 6	10 11 11		10 11 11	7 1 2½ 9½	10 11 11	9 1 4 1 11 1	10 10 11	7 18 10	0 6 0	18 19 20
					Ne	ver le	t you	ır des	k be	coni	lased	l by	unnec	essa	ry pa	pers.	SA1	T.					

To a man full of questions make no answer.—PLATO.

_	_	_	_	_	_	_	_				_	_						_			_		
	L					Bd.			on.								3. pe						
		wt.	,	. and		and		. and 3	Ι,	Fons.		C	wt.		. and		and	Cwt			rons.	_	
	Ľ	~						<u> </u>			_				•	_	2		-		UBB		
	8.	d.	8.	d.	8.	d.	8.	d.	£	8.	d.	8.	d.	8.	d.	8.	d.	8.	d.	Ł	8.	d.	
0	0	0	0	13	0	31/2	0	51	0	0	0	0	0	0	13	0	31/2	0	51	0	0	0	0
1	Ō	7	0	83	0	101	ļ	01	0	11	8	0	71	0	9	0	10₹	1	03	0	12	0	1
2	ļ	2	1	33	1	51	1	7 1	ļ	.3	4	ļ	21	Ţ	44	ı ı	6	Ĭ	73	ļ	4	0	2
3	1 2	9	1	103	2	0 1	2 2	2 1	2	15 6	0 8	1 2	$9\frac{1}{2}$	2		2	11	2 2	3	1	16	0	3
5	2	4 11	2 3	53 03	2 3	$\frac{7\frac{1}{2}}{01}$	3	94 41	2	18	4	3	4 3 0	3	6½ 1¾	3	81/3 31/3	3	10 1 51	2 3	8	0	5
6	3	6	3	0 3 7 3	3	$2\frac{1}{2}$ $9\frac{1}{2}$	3	111	3	10	õ	3	7 ₁	3	9	3	103	4	04	3	12	ŏ	6
7	4	ì	4	2¥	1	41	4	61	4	10	8	4	$2\frac{7}{2}$	4	9 41	4	6	4	73	4	4	ŏ	7
á	4	8	4	93	4	113	5	11	4	13	4	4	$\frac{2^{2}}{9^{\frac{1}{2}}}$	4	113	5	11	5	3	4	16	ő	á
9	5	3	5	43	5	61	5	81	5	5	ő	5	43	5	61/2	5	81	5	101	5	8	ő	9
10	5	10	5	113	6	13	6	31	5	16	8	6	0	6	13	6	31/2	6	5	6	ŏ	ŏ	10
11	6	5	6	$6\frac{3}{4}$	6	81	6	101	6	8	4	6	74	6	9	6	103	7	ΟŽ	6	12	ŏ	11
12	7	Ŏ	7	13	7	31	7	51	7	Ŏ	ō	7	$2\frac{1}{2}$	7	41	7	6	7	$7\frac{3}{4}$	7	4	ŏ	12
13	7	7	7	83	7	101	8	0 1	7	11	8	7	9 <u>i</u>	7	$11\frac{1}{2}$		11	8	3	7	16	Ö	13
14	8	2	8	$3\frac{3}{4}$	8	5 <u>1</u>	8	71	8	3	4	8	43	8	$6\frac{1}{2}$	8	81	8	101	8	8	0	14
15	8	9	8	103	9	01	9	21	8	15	0	9	0	9	13	9	31	9	51	9	0	0	15
16	9	4	9	53	9	71/2	9	91	9	6	8	9	7 1	9	9	9	103	10	01	9	12	0	16
17	9	11	10	03	10	$2\frac{1}{2}$	10	41	9	18	4	10	$\frac{2}{2}$	10	41	10	6	10	73	10	4	0	17
18	10	6	10	73	10	91	10	114	10	10	0	10	91	10	113	11	14	11	3	10	16	0	18
19	11	1	11	23	11	41/2	11	64	11	1	8	11	43	11	61		81	11	104	11	8	0	19
20	11	8	11	93	11	113	12	11	11	13	4	12	0	12	13	12	31/2	12	5 1	12	0	0	20

He is a valuable servant who can perform his duties well without asking his employers how to execute them.—SALT.

	Γ	- 1	\t]	12	s. (3d.	pe	r To	on.					I	\t 1	38	3. p	er J	Con.				
	С	wt.		and		. and		. and	7	Cons.		С	wt.	ŀ	and		and		. and		Cons.		
0 1 2 3 4 5 6 7 8 9 10 11 12 13	s. 0 0 1 1 2 3 3 4 5 6 6 7 8	d. 0 7½ 3 10½ 6 1½ 9 4½ 0 7½ 3 10½ 6 1½	8. 0 0 1 2 2 3 3 4 4 5 5 6 7 7 8	d. 134 944 044 104 134 434 044 34 34 34 34 34 34 34 34 34 34 34 34 3	8. 0 0 1 2 2 3 4 4 5 5 6 7 7 8	d. 3116 2116 2116 2116 2116 2116 2116 2116	s. 0 1 1 2 2 3 4 4 5 6	d. 5½ 1 8½ 4 11½ 7 2½ 4 11½ 7	£ 0 0 1 1 2 3 3 4 4 5 5 6 6 7 8	s. 0 12 5 17 10 2 15 7 0 12 5 17 10 2 15 2 17 2 10 2 17 2 10 2 10 10 10 10 10 10 10 10 10 10 10 10 10	d. 0 6 0 6 0 6 0 6 0 6 0 6	s. 0 0 1 1 2 3 3 4 5 5 6 7 7 8	d. 0 7 3 3 1 1 3 1 0 3 1 0 4 1 5 1 0 4 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	\$. 0 0 1 2 2 3 4 4 5 6 6 7 7 8	d. 2 \$\frac{1}{5\frac{1}{2}}\$ 5\frac{1}{2}\$	8. 0 0 1 2 2 3 4 4 5 6 6 7 8 8	d. 4 11	s. 0 1 1 2 3 3 4 5 6 6 7 8 8	d. 5112 912 112 112 112 112 112 112 112 112	2001123334556778	8. 0 13 6 19 12 5 18 11 4 17 10 3 16 9	d.0000000000000000	0 1 2 3 4 5 6 7 8 9 10 11 12 13
14 15 16	8 9 10	9 4 1 0	10	10 1 61 12	9 10	0 1 8 1 3 1	9 10	2½ 10 5½	8 9 10	15 7 0	0 6 0	9 9 10	1 1 9 4 1	9 10	3 1 11 6 3	10 10	5 1 8 3		7 2¾ 10¾		15 8	0	14 15 16
17 18 19 20	10 11 11 12	7½ 3 10½ 6	10 11 12 12	9 1 4 1 01 71	11 12	111 61 21 91		81 4 111	10 11 11 12	12 5 17 10	6 0 6 0	11 12	0½ 8¼ 4¼ 0	11 12 13	2½ 10¼ 6¼ 2		4½ 0½ 8 4		6½ 2¼ 10 5¾	11 11 12 13	14 7 0	0 0 0	17 18 19 20

It is not he who makes the greatest bustle that does the most work.—Salt.

" Punctuality	gives	weight	to	character."
---------------	-------	--------	----	-------------

			At	13	g. 4	4 d	• p	er T	on.	, _		1		At	13:	3. (6d.	pe	er T	on.			
	C	wt.	Cw	t. and		and		. and 3 4		l'ons		С	wt.	Cw	t. and	Cwt	. and		and	ı	rons.		
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	s. 0 0 1 2 2 3 4 4 5 6 6 7 8 8 9 10	d. 0 8 4 0 8 4 0 8 4 0 8 4 0 8	8. 0 0 1 2 2 3 4 4 4 5 6 6 6 7 8 8 9 10	d. 2 10 6 2 10 6 2 10 6 2 10 6 2 10 6 2	8. 0 1 1 1 2 3 3 4 5 5 6 7 7 8 9 9 10	d. 40840840840840	8. 0 1 1 2 3 3 4 5 6 7 7 8 9 9 10 11	d. 6 2 10 6 2 10 6 2 10 6 2 10 6 2 10 6 2	200122344456678891010		d. 0 4 8 0 4 8 0 4 8 0 4 8 0 4	8. 0 0 1 2 2 3 4 4 5 6 6 7 8 8 9 10 10	d. 0 8 4 4 4 0 4 4 4 1 9 5 1 4 1 9 5 1 4 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9	8. 0 0 1 2 2 3 4 4 5 6 6 7 8 9 10 10	d. 2 10 61 21 10 62 10 63 11 7 31 11 11 11 11 11 11 11 11 11 11 11 11	3 4	- d. 4 0 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	s. 0 1 1 2 3 3 4 5 5 6 7 7 8 9 9 10	d. 6 24 104 64 24 104 104 114 114 114 114 114	20 0 1 2 2 3 4 4 5 6 6 6 7 8 8 9 10 10	8. 0 13 7 0 14 7 1 14 8 1 15 8 2 16	do 60 60 60 60 60 60 60 60 60 60 60 60 60	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19	11 12 12 13	4 0 8 4	11 12 12 13	6 2 10 6	11 12 13 13	8 4 0 8	11 12 13 13	10 6 2 10	11 12 12 13	6 0 13 6	8048	11 12 12 13	5 1 1 1 10 6	11 12 13 13	7 1 3 1 0 8	11 12 13 13	9 ³ / ₂ 2 10	11 12 13 14	11 ³ / ₄ 7 ³ / ₄ 0	11 12 12 13	9 3 16 10	6 0 6 0	17 18 19 20

"Tact is the essence of worldly experience."

	Γ		A	t 1	48	5. pe	er T	Con.					1	At:	14	s. ·	6d	, pe	r T	on.			
	C	wt.		and		. and	Cwt	. and 3 4		Fons.		С	wt.		and		and		and	Į.	Cons		
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	s. 0 0 1 2 2 3 4 4 5 6 7 7 8 9 9 10	d. 0 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8. 0 0 1 2 2 3 4 5 6 7 7 8 9 9 10	d. 2 10½ 7 3½ 11¾ 8 4½ 1 9½ 2 10½ 7 3½ 11¾ 8 11¾	s. 0 1 1 2 3 3 4 5 5 6 7 8 9 10 10	d. 44 44 03 9 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 11	d. 6½ 2½ 11 7½ 4 0½ 8½ 5 1½ 10 6½ 2¼ 11 7½ 4 0½	8 9 9 10	s. 0 14 8 2 16 10 4 18 12 6 0 14 8 2 16 10 10	d.000000000000000000000000000000000000	8. 0 0 1 2 2 3 4 5 6 7 7 8 9 10	d. 0 8 4 5 1 1 2 4 1 1 9 4 1 1 9 4 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5 6 7 8 9 10	d. 21 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3. 0 1 1 2 3 3 4 4 5 6 6 7 8 9 9 10 11	d. 41 1 91 61 31 111 81 2 101 71 4 01 91 61 21	8. 0 1 2 2 3 4 4 5 6 7 7 8 9 9 10 11	d. 6½ 3½ 0 8½ 2 10¾ 7½ 4 0¾ 5½ 6¼ 3 11½ 8½ 5	20 0 1 2 2 3 4 5 5 6 7 7 8 9 10 10	8. 0 14 9 3 18 12 7 1 16 10 5 19 14 8 3 17	d.0606060606060606	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
16 17 18 19 20	11 12 13 14	2½ 10¾ 7½ 3½ 0	12	1 9 1 5 ³	12 12	6½ 3 11½ 7¾ 4½	12 13 13	83 5 11 10 61	11	18 12 6 0	0 0 0 0		72 4 0½ 9½ 6	11 12 13 13 14	9 1 6 2 3 11 1 8 1	11 12 13 14 14	8½ 5 1¾ 10½	13 14	13 103 7 33 03	12 13	12 6 1 15 10	0 6 0 6	16 17 18 19 20

Be strict in keeping your engagements .- SALT.

						То	a m	n ful	of	quest	ions	mak	no a	nsw	er.—]	PLA'	ro.						
	Γ					Bd.											3. p						
	c	wt.	Cwt	and		and		and	i	Tons.		Cv	٧t.	Cwi	and	Cwt	and	Cwt		•	Cons.		
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	8.0 0 1 1 1 2 2 3 4 4 4 5 5 6 7 7 7 8 8 9 9 9	d. 0 7 2 9 4 11 6 1 8 3 10 5 0 7 2 9 4 11	8. 0 0 1 1 2 3 3 4 4 4 5 5 6 7 7 8 8 9 10	d. 12 82 82 82 82 82 82 82 82 82 82 82 82 82	8. 0 0 1 2 2 3 3 4 4 4 5 6 6 7 7 8 9 9 10	d. 3½ 10½ 10½ 10½ 10½ 10½ 10½ 10½ 10½ 10½ 10	8.0 11 12 22 33 44 55 66 67 88 99 10	d. 51 01 71 21 11 11 11 11 11 11 11 11 11 11 11 11	£00011223445567778899	\$. 0 111 3 15 6 18 10 1 13 5 16 8 0 11 3 15 6 16 18 16 16 16 17 16 16 16 16 16 16 16 16 16 16 16 16 16	d.084084084084084	s. 0 0 1 1 1 2 3 3 4 4 5 6 6 7 7 8 9 9 10	d. 0 71444 0 714	8. 0 0 1 1 2 3 3 4 4 4 5 6 6 7 7 8 9 9 10	1 1 2 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8.0 0 1 2 2 3 3 4 5 5 6 6 6 7 8 8 9 9 10	d. 3½ 10¾ 6 1½ 8½ 3½ 10¾ 6 1½ 8½ 3½ 10¾ 6 1½ 8½ 10¾ 6	8.0 11 12 22 34 45 56 77 88 910 10	d. 5½ 6½ 7¾ 3 10¼ 6½ 7¾ 3 10¼ 6½ 7¾ 3 10¼ 6½ 7¾ 3 10¼ 6½ 7¾ 3 10¼ 6½ 7¾ 7¾ 7¾ 7¾ 7¾ 7¾ 7¾ 7¾ 7¾ 7¾ 7¾ 7¾ 7¾	₹ 00011233344556677789910	8. 0 12 4 16 8 0 12 4 16 8 0 12 4 16 8 0 12 4 16 8 0 12 4 16 8 0 12 4 16 16 8 16 16 16 16 16 16 16 16 16 16	d.000000000000000000000000000000000000	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
18 19 20	10 11 11	6 1 8	10 11 11	7 ² 2 ² 9 ²	10 11 11	9½ 4½ 11½	10 11 12	11 1 6 1 11	10 11 11	10 1 13	0 8 4	10 11 12	9½ 4¾ 0	10 11 12	11½ 6½ 1¾	11 11 12	1 1 8 1 3 1	11 11 12	3 10 1 51/2	10 11 12	16 8 0	0 0 0	18 19 20

He is a valuable servant who can perform his duties well without asking his employers how to execute them.—Salt.

		- 4		12					on.					I	\t 1	38	3. p	er I	Con.	•			
	С	wt.		. and		and		and	7	rons.		С	wt.		. and		. and		. and 3 4	7	Cons.		
0 1 2 3 4 5 6 7 8 9 10 11 12 13	s. 0 0 1 1 2 3 3 4 5 5 6 6 7 8	d. 0 7½ 3 10½ 6 1½ 9 4½ 0 7½ 3 10½ 6	8. 0 0 1 2 2 3 3 4 5 5 6 7 7	d. 124 944 04 72 104 104 104 104 74	8. 0 0 1 2 2 3 4 4 5 5 6 7 7 8	d. 311161 61	8. 0 1 1 2 2 3 4 4 5 6	d. 5½ 1 1½ 4 11½ 7 2½ 10 5½ 4 11½ 7	£ 0 0 1 1 2 3 3 4 4 5 5 6 6	s. 0 12 5 17 10 2 15 7 0 12 5 17 10 2 5 17 2 10 2 12 5 17 10 2 12 10 10 10 10 10 10 10 10 10 10 10 10 10	d.0606060606060606	8.0 0 1 1 1 2 3 3 4 5 5 6 7 7 8	d. 0 7 3 1 1 1 1 2 1 0 3 1 0 3 1 0 3 1 0 4 1 0 4 1 5 1 0 4 1 5 1 0 4 1 5 1 0 5 1 5 1 0 5 1 5 1 0 5 1 5 1 0 5 1 5 1	8. 0 0 1 2 2 3 4 4 4 5 6 6 7 7	d. 2 9 5 5 5 1 1 5 5 6 8 5 4 1 1 5 6 8 3 1 1 5 1 1 5 6 8 5 1 1 5 6 8 5 1 1 5 6 8 5 6	3. 0 0 1 2 2 3 4 4 5 6 6 7 8	d. 4 113 7 11 7 23 10 5 1 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1	8. 0 1 1 2 3 3 4 5 6 6 7 8	d. 53 13 93 54 13 43 43 43 43 43 43 43 43 43 43 43 43 43	£ 0 0 1 1 2 3 3 3 4 5 5 6 7 7	5. 0 13 6 19 12 5 18 11 4 17 10 3 16	g.000000000000000000000000000000000000	0 1 2 3 4 5 6 7 8 9 10
14 15 16 17 18	8 9 10 10 11	1½ 9 4½ 0 7½ 3	9 10 10	3½ 10¾ 6½ 1¾ 9¼ 4¾ 0½	9 10 10 11	51 01 81 31 111 61 21	9 10 11 11	2½ 10 5½ 1 8½ 4	8 9 10 10	15 7 0 12 5 17	0 6 0 6	9 10 11 11	514 9 43 01 84 41	9 10 11 11	71 31 11 62 101 61	10 10 11 12	9 1 5 1 8 1 4 <u>1</u> 91 8	9 10 10	111 7 21 101 61 21 10		9 15 8 1 14 7	000000	13 14 15 16 17 18
20	12	6	12		12	9 3		111	12	10	0	13	Ŏ	13	2	13	4	13	5 3	13	Ó	0	20

It is not he who makes the greatest bustle that does the most work.—SALT.

"Punctuality	rives	weight	to	character."
--------------	-------	--------	----	-------------

-	_				_		_	_	_		_	_		_	==			_		_	_	_	
				13								l							er T				
			Cwi	and										Cw		Cw	•		t. and				
	C	wt.		‡	!	2		3	١.	l'ons.	•	C	wt.		4		2	:	3	١.	Tons	.	Ì
	8.	d.	8.	d.	8.	d.	8.	d.	£		d.	8.	d.		d.		d.	8.		£	•	d.	
0	0	Õ	0	2	Ö	4	Ö	6	10	Ö	0	Ö	Õ.	Ö	2	ö	4	0	6	0	ö	ö	0
1	Ó	8	Ŏ	10	ī	ō	ì	$\tilde{2}$	ŏ	13	4	Ö	8	ŏ	10	ľ	Ō1	ľĭ	21		13	6	1
Q	ì	4	1	6	i	8	ì	10	i	6	8	ì	41	li	61	ī	81	lī	101	li	7	ŏ	2
3	2	0	2	2	2	4	2	6	2	0	0	2	01	2	21	2	41	2	61	2	Ö	6	3
4	2	8	2	10	3	0	3	2	2	13	4	2	81	2	103	3	0	3	$2\frac{1}{2}$	2	14	Ŏ	4
5	3	4	3	6	3	8	3	10	3	6	8	3	$4\frac{1}{2}$	3	6 1		81	3	10	3	7	6	5
6	4	0	4	2	4	4	4	6	4	0	0	4	03	4	2	4	43	4	6	4	ì	Ó	6
7	4	8	4	10	5	0	5	2	4	13	4	4	83	4	103	5	03	5	23	4	14	6	7
8	5	4	5	6	5	8	5	10	5	6	8	5	43	5	63	5	8	5	10	5	8	0	8
9	6	0	6	2	6	4	6	6	6	0	0	6	1	6	3	6	5	6	7	6	1	6	9
10	6	8	6	10	7	0	7	2	6	13	4	6	9	6	11	7	1	7	3	6	15	0	10
11	7	4	7	6	7	8	7	10	7	6	8	7	5	7	7	7	91	7	111		8	6	11
12	8	0	8	2	8	4	8	6	8	0	0	8	14		31		5 1	8	71	8	2	0	12
18	8	8	8	10	9	0	9	2	8	13	4	8	94	8	114	9	14	9	31	8	15	6	13
14	9	4	9	6	9	8	9	10	9	6	8	9	5 1	9	73	9	91	9	113	9	9	0	14
15	10	0	10	2	10	4	10	6	10	0	0	10	13	10	31/2	10	51	10	73	10	2	6	15
_	10	8	10		11		11	2	10	13	4	10		10	113	11	13	11	33	10	16	0	16
	11	4	11	6	11	-	11	10	11	6	8	11	53		73	11	93	11	113	11	9	6	17
	12	0	12	2	12	4	12	6	12	0	0	12		12	3	12	54	12	73	12	3	0	18
	12	8	12	10	13	0	13	2	12	13	4	12	10	13	0	13	2	13	4	12	16	6	19.
20	13	4	13	6	13_	8	13	10	13	6	8	13	6	13	8	13	10	14	0	13	10	0	20

"Tact is the essence of worldly experience."

								Con.					1				6 d						
	С	wt.		and		. and		. and 3 4		rons.		С	wt.		and		and		. and 3		rons.		
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	8. 0 0 1 2 2 3 4 4 5 6 7 7 8 9 9 10	d. 0 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8. 0 0 1 2 2 3 4 5 6 7 7 8 9 10	d. 2 10½ 7 3½ 11¾ 8 4½ 1 9¼ 5¾ 2 10½ 7 11¾ 8	s. 0	d. 444 05 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8. 0 1 1 2 3 4 4 5 6 6 7 8 8 9 10 11	d. 6½ 2½ 11 7½ 4 0½ 8¾ 5 1½ 10 6½ 2½ 11 7½ 4 0½ 0½ 11 7½ 11	200122344567789910	8. 0 14 8 2 16 10 4 18 12 6 0 14 8 2 16 10	d. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5. 0 0 1 2 2 3 4 5 5 6 7 7 8 9 10 10	d. 0 6 5 1 2 1 0 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1	8. 0 0 1 2 3 3 4 5 5 6 7 8 8 9 10 11	d. 21 101 101 111 111 111 111 101 111 101 101 101	8.01123334566789910	41 1 9 6 4 3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8. 0 1 2 2 3 4 4 5 6 7 7 8 9	d. 6½ 3¼ 0 8½ 5¼ 2 10¾ 4 0¾ 9½ 6¼ 3 11½ 8¼ 5	£ 0 0 1 2 2 3 4 5 5 6 7 7 8	8. 0 14 9 3 18 12 7 1 16 10 5 19 14 8 3 17	d.0606060606060606	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
16 17 18 19 20	11 12 13 14	2½ 10¾ 7½ 3½ 0	11 12 12 13 14	4½ 1 9¼ 5¾ 2	11 12 12 13 14	6½ 3 11½ 7¾ 4½	13	83 5 11 10 61	11 12 13 14	18 12 6 0	0 0 0 0	12	7 1 4 0 <u>1</u> 91 6	11 12 13 13 14	9 1 6 2 3 11 1 8 1	11 12 13 14 14	11½ 8½ 5 1¾ 10½	12 13 14 15		11 12 13 13	12 6 1 15 10	0 6 0 6	16 17 18 19

Be strict in keeping your engagements.—SALT.

		A	t]	8 s	. 4	ld.	pe	r To	on.				1	At:	18	3. (6d.	, pe	er To	on.			L
	c												wt.	1	and		. and 1 2	Cwt	and		Cons.		
_	8.	d.	8.	d.	8.	d.	8.	d.	£	s.	d.	5.	d.	8.	d.	s.	d.	s.	d.	£	3.	d.	
0	0	0	0	23	0	51	0	81	0	-	0	0	0	0	23	0	$5\frac{1}{2}$	0	81	0	0	0	0
1	0	11	1	14	1	41	1	71	0	18	4	0	11	1	13	1	43	1	71	0	18	6	1
2	1	10	2	01	2	31	2	64	1	16	8	1	104	2	1	2	$\frac{3\frac{3}{4}}{2\frac{3}{4}}$	2	$6\frac{1}{2}$	1	17	0	2
3	2	9	2	113	3	$2\frac{1}{2}$	3	51	2	15	0	2	91	3	0	3	23	3	51	2	15	6	3
4	3	8	3	$10\frac{3}{4}$	4	11/2	4	44	3	13	4	3	81	3	114	4	2	4	43	3	14	0	4
5	4	7	4	93	5	07	5	31	4	11	8	4	71	4	104	5	1	5	33	4	12	6	5
6	5	6	5	83	5	115	6	21		10	0	5	61	5	91	6	01	6	3	5	11	0	9
7	6	5	6	73	6	101	7	14	6	8	4	6	53	6	84	6	114	7	2	6	9	6	2
8	7	4	7	63		91	8	01	7	6	8	7	44	7	75	7	101	8	1	7	8	0	8
9	8	3	8	53	8	81	8	114		5	0	8	4	8	63	8	91	9	01	8	6	6	i
Ó	9	2	9	43	9	71	9	101	9	3	4	9	3 2	9	53		81	9	114	9	5	0	ì
11	10		10	33	10	61	10	91	10	1	8	10		10	434	10	73	10	101	10	3 2	6	li
2	11	0	11	23		51	11	81	11	18	-	12	01	12	3	11 12	63 53	11	9½ 8½	11	0	6	li
3	11	11	12 13	13 03		4½ 3½	13	71	12	16		12	113	13	21	13	5	13	73	12	19	0	li
4	12 13	10	13	113		21	14	6± 5±	13	15		13	104	14	11	14	4	14	63	13	17	6	li
5	14	8	14	103		11	15	41	14	13	4	14	91	15	01	15	31		6	14	16	0	li
7	15	7	15	93		01	16	31	15	11		15	83	15	114	16	21	16	5	15	14	6	li
8	16	6	16	83	1		17	21	16	10		16	73	16	101	17	11	17	4	16	13	0	li
9	17	5	17	73			18	11	17	8	4	17	7	17	93	18	01	18	31	17	11	6	li
0	18	4	18	63		91	-		18	6	-	18	6	18	83		111		21	18	10	0	Ĝ

Attend to your duties in preference to recreation .- SALT.

			F	At 1	9:	5. p	er '	Con.					1	At:	19	3. (8d.	pe	r T	on.			
ľ	c	wt.	Cwt	and	Cwt	and 1 2		and 3		Fons.		c	wt.	Cwt	and	Cwt	. and		and 4		rons.		
	s.	d.	8.	d.	s.	d.	s.	d.	£	s.	d.	s.	d.	8.	d.	8.	d.	8.	d.	2	5.	d.	
0	0	0	0	23	0	53	0	81		0	0	0	0	0	3	0	53		83		0	0	I۲
1	0	111	1	21	1	5	1	8	0	19	0	0	113	1	21		51	1	81	0	19	6	ľ
2	1	103	2	14	2	41	2	71	1	18	0	1	112	2	21	2	51	2	81	1	19	0	2
3	2	104	3	1	3	4	3	63		17	0	2	11	3	2	3	5	3	73	2	18	6	3
4	3	91	4	01	4	31	4	61		16	0	3	103		13	4	44	4	71	3	18	0	4
5	4	9	4	113	5	23	5	51	4	15	0	4	101	5	15		41	5	74	4	17	6	5
6	5	81	5	114	6	2	6	5	5	14	0	5	104	6	1	6	4	6	7	5	17	0	6
7	6	73	6	103	7	11	7	41	6	13	0	6	10	7	03		34	7	63	6	16	6	7
8	7	74	7	10	8	1	8	33	7	12	0	7	91	8	01		31	8	61	7	16	0	8
9	8	61	8	91	9	01	9	31	8	11	0	8	91	9	01	9	34	9	6	8	15	6	9
10	9	6	9	83	9	113	10	21	9	10	0	9	9	10	0	10	23	10	$5\frac{3}{4}$	9	15	0	
11	10	51	10	81	10	11	11	2	10	9	0	10	84	10	114	11	21	11	51	10	14	6	1
12	11	43	11	$7\frac{3}{4}$	11	101	12	14	11	8	0	11	81	11	114	12	21	12	51	11	14	0	1
13	12	44	12	7	12	10	13	03	12	7	0	12	8	12	11	13	2	13	43	12	13	6	1
4	13	31		$6\frac{1}{2}$	13	91	14	01	13	6	0	13	74	13	103	14	13	14	42	13	13	0	
15	14	3	14	-		84	14	114	14	5	0	14	12	14	101	15	14	15	44	14	12	6	
6	15	21		51	-	8	15	11	15	4	0	15	74	15	10	16	1	16	4	15	12	0	1
17	16	13	16	43		71	16	- 2	16	3	0	16	7	16	93	17	03	17	33	16	11	6	1
8	17	14	17	4	17	7	17	93	17	2			61	17	91	18	01	18	34	17	11	0	3
9	18	01		31	18	64		91	18	1	0	18	64	18	91	19	01	19	3	18	10	6	1
10	19	0	19	23	19	$5\frac{3}{4}$	19	81	19	0	01	19	6	19	9	19	113	20	$2\frac{3}{4}$	19	10	0	2

He who neglects his business will soon have none to attend to .- SALT.

				Ne	ver p	ostpo	one u	ntil	to-m	orro	w wl	hat s	hould	l be	done	to	day.—	SAL	т.				
					Os								1	At :	22	s.	6d	• p	er T	on.			
	Cı	wt.	1	and	Cwt	and		. and 3 4	1	Cons		С	wt.	Cwt	. and 1 4	Cwi	and		. and 3 4		Fons.		
	8.	d. 0	8.	d. 3	8.	d. 6	8.	d. 9	€	8 .	d. 0	s. 0	d. 0	8 .	d.	8.	d.	8.	d.	£	s. 0	d. 0	0
0	0	0	0	3	0	6	١٧	9	ľ	0	Ö	ľ	l ½		3 1 43	0	6 1 81	0	10 111	ľ	2	6	ĭ
9	2	0	2	3	2	6	2	9	2	ő	ŏ	2	3	2	61		9 1	3	113	2	5	ő	2
3	$\bar{3}$	ŏ	3	3	3	6	3	9	3	ŏ	0	3	41		71	3	111		$\frac{1}{2}$		7	6	3
4	4	Ō	4	3	4	6	4	9	4	0	0	4	6	4	91	5	03	5	4	4	10	0	4
5	5	0	5	3	5	6	5	9	5	0	0	5	71	5	103	6	$2\frac{1}{2}$	6	5 1	5	12	6	5
6	6	0	6	3	6	6	6	9	6	0	0		9	7	01	7	37	7	7	6	15	0	6
7	7	0	7	3	7	6	7	9	7	0	0	7	101	8	13	8	51	8	81	7	17	6	7
8	8	0	8	3	8	6	8	9	8	0	0	9	0	9	3 <u>i</u>	9	64	9	10	9	0	0	8
9	9	0	9	3	9	6	9	9	9	0		10	13		43		81	10	113	10	2 5	6	9
10	10	0	10	3	10	6	10	9	10	0	0	11	3	111	61		93	12	ı,	11		0	11
	11	0	11	3	11	6 6	11	9	11	0	0		4 ½ 6		73		111	13	21/2	12	,7	6	12
12	12 13	0	12	3	12	6	12	9	12	0	0	14		13 14	91		0 3	14	4	13	10 12	6	13
18	13	0	13	3	14	6	14	9	14	ő	- 1		7½ 9	16	10 3	16	2 1 3 1	15 16	0 <u>5</u> 7	14	15	0	14
15	15	0	15	3	15	6	15	9	15	ö		16	104		- 4	17		ı – -	81	16	17	6	15
16	16	Ö	16	3	16	6	16	9	16	ŏ		18	.02	18	31		61		10	18	6	ő	16
17	17	ŏ	17	3	17	6	17	9	17	ŏ			-	19		19		li9	114	19	2	6	17
18	is	ŏ	li8	š	18	6	18	9	18	Ŏ	Ŏ			20		20	91	21	'n	20	5	ŏ	18
19	19	Ō	19	3	19	6	19	9	19	0	0	21					111	22	21	21	7	6	19
20	20	Ō	20	3	20	6	20	9	20	0	0	22		22		23		23	4	22	10	0	20

" Drunkenness	is	an	egg	from	which	all	vices	may	be	hatched."
---------------	----	----	-----	------	-------	-----	-------	-----	----	-----------

			A	t 2	58	6. p	er I	Con.						At :	27	B.	6 d.	, p	er T	on.			
	Cw		Cwt.			. and 1 2		and	ı	Fons.		С	wt.		and ‡		. and 1 2		and 3 4	1	Tons		
	8.	d.	8.	d.	8.	d.	8.	d.	£	8.	d.	8.	d.	8.	d.	8.	d.	8.	d.	£	8.	d.	
0	0	0	0	$3\frac{3}{4}$	0	71/2	0	114	0	0	0	Ó	0	0	4	0	81	l	01	0	0	0	•
1	1	3	1	63	ı	103		21	Ĭ	5	0	1	41/2	1	81	2	03	2	43	1	7	6	1
2	2	6	2	93	3	13		51	2	10	0	2	9	3	1	3	51	3 5	9 1	2	15	ų,	2
8	3 5	9	5	0월 3월	5	45		8 1 11 1		15 0	0	4 5	1 ½ 6	5	5½ 10	6	93 01	6	1 3 6 1	5	2 10	6	3
5	6	3	6	6 3	6	7⅓ 10⅓		21		5	ŏ	6	101	7	2 1		2 1 63	7	103	6	17	6	5
6	7	6	7	9 3	8	Ìį		5 1		10	ŏ	8	3	8	72	8	111	9	31	8	5	ď	6
7	8	9	9	03	9	41		81		15	ŏ	ğ	7₺	9	•	10	3		74		12	6	7
8	ιŏ	ŏ	10	33		71/2	10	111		ŏ	ŏ	hĭ	o*	ıĭ	4	ii	81	12	01	11	ō	ď	8
9	iĭ	š	ii	63		101	1	2		5	0	12	41	12	81		03		43	12	7	6	9
10	12	6	12		13	1	_	5 1		10	0	13	9	14	ī	14	51		91	13	15	Ö	10
11	13	9	14		14	45		81		15	0	15	11	15	51	15	91	16	13	15	2	6	11
12	15	0	15	3 3	15	7 1	15	111	15	0	0	16	6	16	10	17	2 <u>i</u>	17	6 <u>1</u>	16	10	0	12
13	16	3	16		16	101		21	16	5	0		103	18	$2\frac{1}{2}$	18	63	18	10₹		17	6	13
14	17	6	17		18	1 ½		51		10	0	19	3	19	7	19			31		5	0	14
15	18	9	19		19	41/3		81		15	0		7 1	20	113	21			73		12	6	
16	20	0	20	33		7 2		114		0	0		0	22	4	22			01		0	0	16
17	21	3	21		21	101	_	21		.5	0		41/2	23					43		.7	6	
18	22	6	22		23	13		51		10	0		9	25	1	25			91	24	15	9	18
19	23	9	24		24		24	81		15	0		1 ½	26		26	93			26	.2	-	19
80	25	0	25	34	25	12	25	111	25	0	0	27	6	27	10	28	22	28	04	27	10	0	20

An industrious man produces great results by method and despatch.—SALT.

Many complain of a bad memory, who in reality want a better judgment.—Salt.

			1	At 3	30	8. p	er '	C on	•					1	L J	5	8. p	er 🕽	Con.				
	Cv	vt.	1	t. and		and		and	1	Tons		Cv	vt.		and	Cwi	t. and		. and 3 4	(Fons.		
0	8. O	d. 0	s. 0	d. 41	s. 0	d. 9	s. l	d. 11	£	s. 0	d. 0	s. ()	d. 0	8.	d. 5 1	8. ()	d. 101	8. l	d. 3₹	L	8. O	d. O	0
1	ĭ	6	ĭ	101	2	3	2	71	ĭ	10	ŏ	ĭ	9	2	21	2	71	3	03	ĭ	15	ö	1
2	3	0	3	41/2	3	9	4	1 i	3	0	0	3	6	3	111	4	4 3	4	93	3	10	0	2
8	6	6 0	6	10 <u>}</u> 4 }	5 6	3 9	5 7	7±	6	10 0	0	5 7	3 0	5	8 1 51	6	1 <u>3</u> 103	8	6 3 3 3	5 7	5 0	0	3
5	7	6	7	103	8	3	8	71	7	10	ő	8	9	9	21	9	71/2	10	03	8	15	ŏ	5
6	9	0	9	41	9	9	10	1 j	9	0	Ŏ	10	6	10	114	11	41	11		10	10	Ŏ	6
7	10	6	10	101	11	3	11	71	10	10	0	12	3	12		13	13	13		12	5	0	7
8	12 13	0 6	12 13	4½ 10½	12 14	9	13 14	11	12	0 10	0	14 15	9	14 16		14 16	101	15 17	3 3 03	14 15	0 15	0	8
10	15	Ö	15	41	15	9	16	13	15	0	ő	17	6	17		18	73 43	18		17	10	ŏ	10
11	16	6	16	101	17	3	17	7	16	10	ŏ	19	3	19		20		20		i9	5	ŏ	11
12	18	0	18	41	18	9	19	13	18	0	0	21	0	21		21		22		21	0	0	12
18	19 21	6 0	19 21	10½ 4⅓	20 21	3	20 22	7½ 1½	19 21	10 0	0	22 24	9	23 24		23 25	7½ 4½	24 25	0 3 9 3	22 34	15	0	13
	22	6	22		23	3	22 23		21 22	10	ŏ	26	3	24 26		20 27		23 27		24 26	10 5	0	14 15
16	24	0	24		24	9	25		24	0		28	0	28		28		29		28	ŏ	ŏ	16
	25		25	101			26		25	10	0	29		30		30		31		29	15	0	17
	27 28		27 28		27 29		28 29		27 28	0 10	-	31 33		31 33		32 34		32 34	9¥ 6¾		10 5	0	18
	30	- 1	30	41/2			29 31		3 0	0	- 1	35 35	-	35	51		101		33		0	ŏ	20

"Be as careful of the property of others as you would of your own."

			A	t 4	0	3. p	er 7	ron.						A	\t 4	15	s. p	er	Ton				
	Cı	wt.		and	i	and		and	ł	Fons		C	wt.	t t	. and	Cwi	and		. and	ı	Tons.		
	8.	d.	8.	d.	8.	d.	8.	d.	£	8.	d.	8.	d.	8.	d.	8.	d.	8.	d.	£	8.	d	
0	$\frac{0}{2}$	0	0 2	6 6	1 3	0	3	6 6	0 2	0	0	0 2	0 3	0 2	6 1 91	3	1½ 4⅓	3	8 1 11 1	0 2	0 5	0	0
ءَ	4	ő	4	6	5	ő	5	6	4	ŏ	ő	4	6	5	0 3	5	71	6	2 1	4	10	ŏ	à
3	6	Ŏ	6	6	7	Ŏ	7	6	6	Õ	Ö	6	ğ	7	33	7	103	8	51	6	15	ŏ	3
4	8	0	8	6	9	0	9	6	8	0	0	9	0	9	63	10	lį	10	8 <u>1</u>	9	0	0	4
5	10	0	10 12	6	11	0	11	6 6	10 12	0	0	11 13	3 6	11	93	12	4	12	114		5	0	5
7	!2 14	0	14	6	13 15	0	13 15	6	12	0	0	15	9	14 16	- 4	14 16	7⅓ 10⅓	15	2 1 51	13 15	10 15	0	7
á	16	ŏ	16	6	17	ŏ	17	6	16	ŏ	ŏ	18	ő	18		19	103	19	8 1		0	ŏ	8
9	18	Ŏ	18	6	19	0	19	6	18	Ō	0		3	20	93		41	21	111		5	Ŏ	•
10	20	0	20	6	21	0	21	6	20	0		22	6	23		23	73	24	21		10	0	10
11	22	0	22	6	23	0	23	6	23	0	- 1		9	25	33		10				15	0	11
	24 26	0	24 26	6 6	25 27	0	25 27	6 6	24 26	0		27 29	0 3	27. 29	6 3 9 3			28 30	8 1 11 1		0 5	0	12
	28	Ö	28	6	29	ŏ	29	6	28	ŏ			6	32	03			33	21	31	10	ŏ	14
	30	Ŏ	30		31	0	31	-	30	Ō		33	ğ	34	3		101			33	15	ŏ	15
	32		32		33	0	33	_	32	0	- 1		0	36	63			37		36	0	0	16
	34	-	34		35		35	-	34	0		38	3	38	93		41/2				5	Ŏ	17
	36 38		36 38		37 39		37 39	6	36 38	0	-	40 42	6 9	41 43		41 43	7 1 101	42 44	2 1 5 1		10 15	0	18
	40		40	- 1	41	- 1	33 41	6	40	ŏ		45	-	45	$6\frac{3}{4}$			46		45	0	ŏ	20
20	ΗU	U	40	0	41	U	41	n	40	0	U	45	U	45	0#	40	12	40	84	45	U	0	20

Keep a place for everything, and everything in its place.—Salt.

Fix a time for transacting each part of your duties, and take care so to execute them.—Salt.

			A	t 5	Os	3. p	er 🤇	Γon.									• pe						
	Cı	vt.		and		and		. and		Tons		Cı	vt.		and	1	and		and	•	Tons.		
0	8. 0 2	d. 0 6	8. 0 3	d. 7½ 1½	8. 1 3	d. 3 9	8. 1 4	d. 10½ 4½	£ 0 2	8. 0 10	d. 0 0	•. 0 2	d. 0 9	8. 0 3	d. 8 1 5 1	8. 1 4	d. 4½ 1½	8. 2 4	d. 0 3 9 3	£ 0 2	8. 0 15	d. 0 0	0
9 4 5	5 7 10 12	0 6 0 6	5 8 10 13	7½ 1½ 7½ 1¾	6 8 11 13	3 9 3 9	6 9 11 14	10½ 4½ 10⅓ 4⅓	5 7 10 12	0 10 0 10	0 0 0	5 8 11 13	6 3 0 9	6 8 11 14	21 111 81 51	6 9 12 15	10½ 7½ 4½	10 13	63 33 03 93	5 8 11 13	10 5 0 15	0 0 0	9 9 4 5
6 7 8	15 17 20	6	15 18 20	73	16 18 21	3 9 3	16 19 21	10½ 4½		0 10 0	0 0	16	6 3 0	17 19 22	2 1 111	17 20 23		21	6 3 33	16 19 22	10 5 0	000	6 7 8
10 11	22 25 27	6	23 25 28		23 26 28		24 26 29	101 41	27	10 0 10	0 0 0	27 30	9 6 3	25 28 30		28 31		29 32	6 3 33		15 10 5	0 0	9 10 11
13 14	30 32 35 37	0 6 0 6	30 33 35 38	1 i	31 33 36 38	9 3	31 34 36 39	101 41/2 101/3 41/3	32	0 10 0 10	0 0 0	35 38	0 9 6 3	33 36 39 41	5 1 2 1		4½ 1½ 10½ 7½	37	6	35 38 41	0 15 10 5	0 0 0	12 13 14 15
16 17 18	40 42 45	0 6 0	40 43 45	73 13 73	41 43 46	3 9 3	41 44 46	10½ 4½ 10½	40 42 45	0 10 0	0	44 46 49	0 9 6	44 47 50	8 1 5 1 2 1	45 48 50	4½ 1½ 10½	46 48 51	0 3 9 3 6 3	44 46 49	0 15 10	0 0	16 17 18
19 20	47 50	6 0	48 50	1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	48 51	9 3	49 5 l	4½ 10½	47 50	10 0	0	52 55		52 55	11 1 81		7½ 4½	54 57	3 3 0 3		5 0	0	19 20

No man can faithfully serve two masters.—SALT.

			A	t 6	30	3. p	er '	F on									3. pe						
	C	wt.		and		and		and	1	rons.		C	vt.	1	and	Cwi	. and		. and 3 4	7	Cons		
	8.	d.	8.	d.	8.	d.	8.	d.	£	8.	d.	8.	d.	8.	d.	8.	d.	8.	d.	£	8.	d.	
0	0	0	0	9	1	6	2	3	0	Ŏ	0	0	0	0	93	, ï	73	2	51	0	0	0	0
1	3	Õ	3	9	4	6	5	3	3	0	0	3	3	4	03	4	101	5	81	3	.5	0	1
2	6	0	6	9	7	6	8	3	6	0	0	6	6	1,7	33		11	8	111	6	10	0	2
3	9 12	0	9 12	9	10 13	6 6	11	3 3	12	0	0	9 13	9	10 13	6 3 9 3	11	41	12 15	21/ 51/	9 13	15 0	0	3
4 5	15	0	15	9	16	6	14	3	15	ŏ	0	16	3	17	03	17	7⅓ 10⅓	18	8 1	16	5	0	7
6	18	Ü	18	9	19	6	20	3	18	0	ŏ	19	6	20	7	21		21	111	19	10	ŏ	5
7	21	ő	21	9	22	6	23	3	21	Ö	ŏ	22	9	23	6 3	24	41	25	2	22	15	ŏ	7
á	24	ŏ	24	9	25	6	26	3	24	ŏ	ŏ	26	ŏ	26		27	73	28	51		0	ŏ	á
9	27	ŏ	27	9	28	6	29	3	27	ŏ	ŏ	29	3	30	03						5	ŏ	٥
10	30	-	30	9	31	6	32	3	30	ő	ŏ	32	6	33		34	13	34		32	10	ŏ	10
11	33	ŏ	33		34	6	35	3	33	Ö	Ö	35	9	36	63			38			15	ō	11
12	36	Ō	36		37	6	38	3	36	0	0	39	0	39	9 3	40		41	5 1	39	0	Ó	12
13	39	0	39		40	6	41	3	39	0	0	42	3	43	0	43	103	44	8 <u>1</u>	42	5	0	18
14	42	0	42		43	6	44		42	0	0	45	6	46		47	11/2	47	114	45	10	0	14
15	45	0	45		46	6	47		45	0		48	9	49		50		51		48	15	0	15
16	48	0	48		49		50		48	0		52	0	52		53		54		52	0	0	16
17	51		51		52		53		51	0		55	3	56	03			57		55	5	0	17
18	54		54		55		56	-	54	0		58	6	59	33			60		58	10	0	18
19	57		57		58		59		57	0		61		62		63		64	21	61	15	0	19
20	60	0	60	9	61	6	62	3	60	0	0	65	0	65	93	Dħ	7 1/2	07	51	no	<u>0</u>	0	20

He who neglects to attend to his own business, ought not to expect his servants to look after it for him.—Salt.

" A	young	man	idle,	an	old	man	needy."
-----	-------	-----	-------	----	-----	-----	---------

			A	lt 7	Os	3. p	er T	Con.						A	Lt 7	5	. pe	r T	on.				
	Cv	vt.		and		. and		and		rons.		Cı	vt.		and		and	Cwt.		7	l'ons.	_	
	8. 0 3 7 10 14 17 21 24 28 31 35	d. 0 6 0 6 0 6 0 6 0	8. 0 4 7 11 14 18 21 25 28 32 35	101	33 36	3	8. 2 6 9 13 16 20 23 27 30 34 37		20 3 7 10 14 17 21 24 28 31 35	0 10 0 10 0 10 0 10 0	0	33 37	d. 0 9 6 3 0 9 6 3 0 9 6	8. 0 4 8 12 15 19 23 27 30 34 38	51 21 111 81 51	35 39	12 10 10 7 4	8. 2 6 10 14 17 21 25 29 32 36 40	03 93 63 33	33 37	8. 0 15 10 5 0 15 10 5 0 15	d 0 0 0 0 0 0 0 0 0 0	0 1 2 3 4 5 6 7 8 9
19 14 15 16 17 18	38 42 45 49 52 56 59 63 66 70	6 0 6 0 6 0 6 0 6 0	39 42 46 49 53 56 60 63 67 70	4½ 10½ 4½ 10½ 4½ 10½ 4½	40 43 47 50 54 57 61 64 68	393939393	41 44 48 51 55 58 62 65 69 72	13 7 1 3 7 1 3 7 1 5 7 1 5 1 5 1 5 1 5 1 5 1 5 1 5 1 5	38 42 45 49 52 56 59 63 66 70	10 0 10 0 10 0 10 0	000000	45 48 52 56 60	0	42 45 49 53 57 60 64 68 72 75	21 11 81 51 51 51	58 61 65 69 73	13 103 73 43 13 103 73 43	44 47 51 55 59 62 66 70 74	03 93 63 33 03 93	41 45 48 52 56 60 63 67 71	5 0 15 10 5 0 15 10 5 0	000000000000000000000000000000000000000	11 12 13 14 15 16 17 18 19

It is not so much time as method that enables some men to transact so much business.—Salt.

			A	t 8	Og	5. p	er I	on.	,					A	1 8	15	3. p	er I	Con.				
	C	wt.		and	1	and		and	1	l'ons.		C	wt.		and		and		. and 3 4	l	l'ons.		
o	e. 0	d. 0	s. 1	d. 0	s. 2	d. 0	8 .	d. 0	£ 0	s. 0	d. 0	8. ()	d. 0	8. 1	d. ⊖3	8. 2	d.	8. 3	d.	£	•. 0	d. 0	0
1	4	Õ	5	Ŏ	6	Ö	7	0	4	0	0	4	3	5	33	6	41	7	2 1 5 1	4	5	0	1
3	8 12	0	13	0	10 14	0	11	0	8 12	0	0	8 12	6 9	9	6 ≹ 9₹		7 1 101	11 15	8 1 11 1	8 12	10 15	0	2
4 5	16 20	0	17 21	0	18 22	0	19 23	0	16 20	0	0	17 21	0	18 22	03	19	12	20 24	21	17	0	0	4
6	24	Ŏ	25	Ŏ	26	Ŏ	27	Ö	24	0	Ŏ	25	6	26	$6\frac{3}{4}$	27	71	28	5 1 81	21 25	5 10	0	5
7 8	28 32	0	29 33	0	30 34	0	31 35	0	28 32	0	0	29 34	9	30 35		31 36		32 37	11 1 21	29 34	15 0	0	7
10	36 40	0	37 41	0	38 42	0	39 43	0	36 40	Ŏ	0	38	3	39	3₹	40	41/2	41	51	38	5	0	9
11	44	Ŏ	45	Ŏ	46	Ŏ	47	•	44	0	0	46	6 9	43 47		44 48		45 49	_ 4	42 46	10 15	0	10 11
19	48 52	0	49 53	0	50 54	0	51 55	0	48 52	0	0	5 l 55	0 3	52 56	0} 3₹	53 57		54 58	2 1 51	51 55	0 5	0	1 <u>9</u> 19
14	56 60	0	57	Ŏ	58	Ŏ	59	Ö	56	Ŏ	0	59	6	60	63	61	71	62	8 <u>1</u>	59	10	Ō	14
15 16	64	Ŏ	61 65	0	62 66	0	63 67	0	60 64	0		63 68	9 0	64 69	03	65 70	103 13	71	1 13 23	63 68	15 0	0	15 18
17 18	68 72	0	69 73	0	70 74	0	71 75	0	68 72	0	0	72 76	3 6	73 77	3 3 6 3	74 78	41/2 71/2	75 79	5 1 81	72 76	5 10	0	17
19 20	76	0	77 81	0	78	Ŏ	79	Õ	76	0	0	80	9	81	93	82	101	83	114	80	15	0	19
	ĮΟU		10	0	82	0	83	0	80	0	U	85	0	86	() 3	0/	Ιş	88	21	85	0	_0	20

Correctness is more desirable than inaccurate quickness.—SALT.

Strive to become master of your business .- SALT.

			A	t 9	O:	3. p	er '	Ton.									3. p						
	C	wŁ.	1 .	. and 1 4		. and 1 2	Cwt	i. and 3 4	ı	Tons		С	wt.		. au d	ı	and		. and 3 4		Cons.		
7 8 9 10 11 12	5. 0 4 9 13 18 22 27 31 36 10 15 19 54	d. 0 6 0 6 0 6 0 6 0 6 0 6 0	s. 1 5 10 14 19 23 32 37 41 46 50 55	d. 132 72 72 72 72 72 72 72 72 72 72 72 72 72	s. 2 6 11 15 20 24 29 33 38 42 47 51	43939393939393	s. 3 7 12 16 21 25 30 34 39 43 48 52 57	10 4 4 10 4 10 4 10 4 10 4 10 4 10 4 10	£ 0 4 9 13 18 22 27 31 36 40 45 49 54	8. 0 10 0 10 0 10 0 10 0 10 0 10 0 0 10 0 0 0 0 0 0 0 0 0 0 0 0 0	q.00000000000	8. 0 4 9 14 19 23 33 38 47 57 61	d 0 9 6 3 0 9 6 3 0 9 6 3 0	8. 1 5 10 15 20 24 29 34 39 43 48 53 58	d. 24 114 84 54 114 84 54 114 84 54 24 114	s. 2 7 11 16 21 26 30 35 40 45 49 54	d. 4½ 1½ 10½ 1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½	8. 3 8 13 17 22 27 32 36 41 46 51 55 60	1. 34 34 34 34 34 34 34 34 34 34 34 34 34	€ 0 4 9 14 19 23 33 38 42 47 52 57	s. 0 15 10 5 0 15 10 5 0 15 10 5 0	d 0 0 0 0 0 0 0 0 0 0 0	0 1 2 3 4 5 6 7 8 9 10
14 15 16 17 18 19	58 63 67 72 76 31 45	0 6 0 6 0 6	59 64 68 73 77 82 86 91	12 72 12 72 12 12	60 65 69 74 78 83 87	3 9 3 9 3 9	61 66 70 75 79 84 88	10½ 4½ 10½	63 67 72 76 81	10 0 10 0 10 0 10	0000	66 71 76 80 85	6 3	62 67 72 77 81 86 91	51 21 111 81	68 73 78 83 87 92	10½ 7½ 4½ 1½ 10½	65 70 74 79 84 89 98	9 ³ / ₄ 6 ³ / ₄ 3 ³ / ₄ 0 ³ / ₄	66 71 76 80 85	15 10 5 0 15 10 5 0	0000000	13 14 15 16 17 18 19

He who allows his papers to accumulate unnecessarily on his desk, is not a man of business.—SALT.

			At :	10	Og	.	per '	Tor	١.					At	11	LOs	J. p	er 7	lon				
	Cw		Cwt.		Cwt	and	Cwt.	and	Т	ons.		Cw			and	Cwt.		Cwt.	and	1	ons		
		d.	8.	d.	s.	d.	8.	d.	æ	8.	d.		d.	s.,	d.	8.	d. 9	s.	d.	£	8.	d.	0
Ŷ	0 5	0	6	3 3	2 7	6 6	3 8	9	0 5	0	0	0 5	6	6	4 3 104	8	3	9	1½ 7½	0 5	10	0	ĭ
اء	10	ö	11	3	12	6	13	9	10	ŏ	ŏ	ıĭ	ŏ	12		13	9	15	13	Ιŭ	-0	ŏ	2
3	15	Ö	16	3	17	6	18	9	15	0	0	16	6	17	101	19	3	20	72	16	10	0	3
4	20	-0	21	3	22	6	23	9	20	0	0	22	0	23	41/2	24	9	26	13	22	0	0	4
5	25	0	26	3	27	6	28	9	25	0	0	27	6	28	- •	30	3	31	71	27	10	0	5 6
8	30 35	0	31 36	3	32 37	6 6	33 38	9	30 35	0	0	33 38	6	34 39	4½ 10¾	35 41	9	37 42	72	33 38	- 0 10	0	7
á	40	0	4l	3	42	6	43	9	40	ő	Ö	44	0	45	41	46	9	48	13	44	10	ŏ	a
9	45	ő	46	3	47	6	48	9	45	ŏ	ŏ	49	6			52	3	53	71	49	10	Ö	9
10	50	0	51	3	52	6	53	9	50	0	0	55	0	56	41	57	9	59	11	55	0	0	10
11	55	0	56	3	57	6	58	9	5 5	0	0	60	6		10½	63	3	64	71	60	10	0	11
12	60	0	61	3	62	6	63	9	60	0	0	66	0	67	41/2	68	9	70	12	66	0	0	13
13	65	0	66	3	67	6	68	9	65	0	0	71	6			74	3	75	73	71	10	0	13
14	70 75	0	71 76	3	72 77	6	73 78	9	70 75	0	0	77 82	6	78	4 ½ 10 ½	79 85	9	81 86	1½ 7₺	77 82	10	ď	14
15 16	80	0	81	3	82	6	83	9	80	ŏ	ő	-8	ö	89	43	90	9	92	13	88	0	ŏ	16
17	85	o	86	3	87	6	88	9	85	ŏ	ŏ	93	6		103	96	3	97	73	93	10	ŏ	17
18	90	Ŏ	91	3	92	6	93	9	90	Ö	0	99	0	100	41/2	101	9	103	12	99	0	0	18
19	95	0	96	3	97	6	98	9	95	0	0	104	6	105	103	107	3	108	$7\frac{1}{2}$	104	10	0	19
20	100	0	100	3	102	6	103	9	100	0	0	110	0	111	4월	112	9	114	Ιį	110	0	0	20

"A good maxim is never out of season "

],

CALCULATION OF TOLLS,

FROM \$\frac{1}{4}d\$. TO \$3d\$. PER TON PER MILE.

From 1 to 200 Miles.

TABLES

FOR CALCULATING THE WEIGHT OF TIMBER.

Oak	Pitch Pine Maple Hardwood Beech Birch Cedar Pitch Pine 40 Feet per Ton.
Pine	50 Feet per Ton.
A Standard of Deals is 120 in number of 12 F	Feet long, 11 inches thick, and 11 inches wide.
	Tons. Cwts. Qrs. lbs. Deals is 2 15 0 0 e Deals is 2 10 0 0 is 165 Cubic Feet.

SOLID OR CUBIC MEASURE.

1728	Inches make l	Foot.
27	Feet1	Yard.
40	Feet of Rough, or Feet of Hewn Timber 1	Ton on Lond
108	Feet1	Stack of Wood.
128	Feet 1	Cord of Wood.
277 1	Inches1	Imperial Standard Gallon.
22181	Inches.	Imperial Standard Bushel.

A cube is a solid body, and contains length, breadth, and thickness, having six equal sides. A cube number is produced by multiplying a number twice into itself, thus 64 is a cube number, and is produced by multiplying the number 4 twice into itself, as $4 \times 4 \times 4 = 64$.

LATHWOOD.

ı	Fathom	of 4-	Foot	Lathwood	is	l l			
1	,,	6	>>	,,	• • • • • • • • •	2		0	•
1	22	8	22	,,		3	0	0	0

AVOIRDUPOIS WEIGHT.

2712 Grains Troy make	l Drachm	dr.
16 Drachms	1 Ounce	oz.
14 Pounds		
28 Pounds	1 Quarter	ar.
4 Quarters	l Hundred Weight	cwt.
20 Hundred Weight	1 Ton	T.

Flour is sold nominally by measure, but actually by weight, at 7fb. avoirdupois to a gallon, 14fb. to a peck, &c.

By a late act of parliament the legal stone is, in all cases, to consist of 14th. avoirdupois; 8 such stones 1 cwt.; 20 cwt. one ton, &c.

o. of eet.		D F		t		er T		1 5	O F		t	No. of Feet.		F Te		t		er T		t 5	O I	
	_	Cwts	_	1bs. 7	_	_	_	bs. Ton	_	_			_		-	bs. T	-	-	-	bs. Tus		-
1		.:	2	20		201	2 .			1	18	33	1	2		.1		16	2.			:
2		1	1	10		1	:: 1			3	6	34	1	2		20		17	100		270	2
3		2 2	2	20	.,	2	2		1	2	24 12	35	1	3	1	10		17	2		14	i
5		3	ī	10		2	2	.1.	10	1 7		36	î	4	2	20		18	2		14	3
6	•••	4				3		:	0	ï	18	38	i	5	1 1	10	2.7	19			15	
7		4	2	20		3	2		0	3	6	39	i	6	5.1			19	2		15	2
8		5	ī	10		4			1 0		24	40	1	6	2	20	l	0			16.	
9		6				4	2 .		. 3	2	12	41	1	7	1	10	1	0	12.		16	1
0		6	2	20		5				1		42	1	8			1	1			16	3
11		7	1	10		5	2		1 2 2 2	1	18	43	1	8	100	20	1	1	2		17.	
2		8		30		6	20			3	6	44	1	9	1	10	1	2	1:3		17	2
3		8	1	20 10		6	2		5	2	24 12	45	1	10	5.	20	1	3	12		18.	;
4		10	-	10		7	2		6	150	12	46	i	11	i	10	1	3	19		18	1
5	• • •	10	2	20		8	-	1	6	i	18	48	li	12	1	1	i	4	1		19	
7		ii	ĩ	10		8	2		6	3	6	49	10.0	12	2	20	i	4	2		19	2
8		12				9	7.1		2	1	24	50		13	1	10	1	5	1	1		
9		12	2	20		9	2		77	2	12	60	2				1	10		. 1	4.	
0		13	1	10		10						70	_	6	1-	20	1	15		1	8.	
11		14				10	2			1	18	80		13	1	10	2	0		. 1	12.	
2		14	2	20		11				3	6	90			0		2	5	1	1	16.	
3	••	15	1	10		11	2			1:	24	100	1	6	1 7 4	20	2	10	1	2		٠
4		16	2	20		12			: 10	2	1	200	200	13	1	10	5	10		. 4		•
5		16	1	10	*	12 13	2		lin	li		400		6	2	20		0		8		•
27		18		10		13	0		In	3		500	4	13	ī	10		10				
8	10	18	2	20		14	- I		lii	1.	100	600				. 1	-	0	100			
19		19	ĩ	10		14	2		lii	2		700	and the	6	2	20		10	1.1	114		ı.
10	i				0.1	15			. 12	1		800		13	1	10	200	0	1	16		
31	1		2	20		15	2		. 12	1	18	900	30			!	22	10	1	18		
2	1	1	1	10		16			. 12	3	6	1000	33	6	2	20	25	0		120		
T	AB	LE	S	FC	\mathbf{R}	CA	AL(CUI		INC		TH		W	EI(H	T	0	F	DE	AL	S
o. af	Tons	. Cwt	s. Q	7. 1b	To	on. C	wts. (ers. Ib	Nur	nber	_	the Cwit	. Qr	_	Ton 2	s. C	wta.	Qrs.	lbs O	Fracti 2 10	ons o	e 1
be.		per St	andar	d.	_	per	Stand	-	16	s.	Tons	per Sta	ndard		-	per	San	dard.		per	Stand	arc
1	Tons	Cwts	Q'	20		AN CW	ts Qr	173.43		17	, .	7		10	Ton	1 1	7	3	4	Te 2	Q. s.	1
2	٠.		3	10	٠.		. 3	18		18		7	2		١.	. 8	3	1		3		
3		1	1		1.	. 1		1		19		7	3	20	1 .		3	2	23	4		1
4		1	2	20						20		8	1	10	1.		9		18		3	
5		2	1:							21		8	3	30		1	9	2	14	6		H
7		2 2	3	20	1:	- 1 5	2	02		23		9	2	20 10	1.		2011	2	9	8	.:	1 2
é		3	1 1			1 9	1 0	10	1	24		10	-	10		li'	1	20	. 1	9		2
	**	3	3	10		1 2	1 2	110		25	::	10	i	20	1	i	i	i	23	10	;	2
9	::	4		low	1:	1 4	2	9	1	26		10	3	10	I.	. li	1	3 1 3	23 18	12	1	1
1 -		4	2	10		. 6				27		11	1		1.	. 11:	2	1	14	13	i	
11		5				. 1 5	1 2		1 4	85		11 12	2	20 10		11.6	2	3	9	14	1	١.
11		0																				
12	::	5	i	20	1	. 6	5 3	23	1 .	29	٠,,	12		10	l:			1	4	16	1	li
13 4	::	3 4 4 5 5 5 6	3	20 10 20		4. 4. 5. 5. 6. 6. 6.	3 3 3 3 3 7 1	23 18 14	Sta Longia	29 indard		12 12 5 17		0 0	i i 2	. 11:		3 2 1	0 0	10 11 12 13 14 15 16 17 18	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

TABLES

To calculate Grain, &c., 112 lbs. to the Cwt.

At 45, 60, & 70 lbs. to the Bushel.

Number of Bushla	45 per	Bush			Ol'	03.		011 r Bu		Numbr of Bushls		.51 er Bu	bs.		Ol'	bs.		Ol'	
	-		-	-	-		-	_	Qrs lbs.	52	_	-	Qrs 1bs	-	_		-		Qrs lbs.
2			3 6		i	. 8		ï	1	53	î	i	1 5	i	8	116	i	13	14
3	::	i .	. 23		i	212	**	ì	3 14	54	i	î	2 22	ĩ	9	3.20	i	13	3
4		î l	2 12	00	2	16		2	2	55	i	2	11	1	9	1 24	î	14	114
5	2.5	2 .	. 1		2	2 20		3	14	56	ı	2	2	1	10		i	15	
6		2	118	1301	3	24		3	3	57	1	2	3 17	1	10	2 4	1	15	2 14
7		2	3 7		3	3		4	114	58	1	3	1 6	1	11	8	1	16	1 .
.8		0	. 24		4	1 4		5		59	1	3	2 23	1	11	212	1	16	3 14
9		3	2 13		4	3 8		5	2 14	60	1	4	12	1	12	16	1	17	2
10		4 .	. 2		5	112		6	1	61	1	4	2 1	1	12	2 20	1	18	14
11		4	1 19		5	3 16		6	3 14	62	1	4	3 18	1	13	24	1	18	3
12		4	3 8		6	1 20		7	2	63	1	5	1 7	1	13	3	1	19	1 14
13		5 .	. 25		6	3 24		8	14	64	A.	5	2 24	1	14	1 4	2		
14		5	2 14		7	2		8	3	65	1	6	. 13	1	14	3 8	2		2 14
15		6	3		8	4		9	1114	66	1	6	2 2	1	15	112	2	1	1
16		6	1 20		8	2 8		10	1.	67	1	6	3 19	1	15	3,16	2	1	3 14
17		6	3 9		9	12		10	2 14	68	1	7	1 8	1	16	1,20	2	2	2
18	1	7	. , 26		9	216		11	11:5	69	1	7	2 25	1	16	324	2	3	14
19		7	2 15		10	20		11	314	70	1	8	1.14	1	17	2	2	3	3
20		8	4		10	224		12	2	71	Ţ	8	2 3	1	18	4	2	4	1 14
21		8	121		11	1		13	14	72	1	8	3 20)	18	2 8	2	5	
22	100	8	3 10		11	3 4		13	3	73	ļ	9	1 9	1	19	12	2	5	2 14
23		9	27		12	1 8	**	14	1114	74	1	9	2 26	1	19	2 16	2	6	1
24		9	2 16		12	3 12		15	1:1:	75	1	10	15	2		20	2	6	3 14
25	1	0	5		13	1 16		15	214	76	1	10	2 4	2	.:	224	2	7	2
26	4 * * 1 2	10	122		13	320		16	11:5	77	1!	10	321	2	1	1	2	8	14
27	1	lo l	311		14	124		16	3 14	78	1	11	1 10	2	1	3 4	2	8	3
28	1 1	!!	1		15	10.3	**	17	263	79	Н	11	2 27	2 2	2	1 8	2	9	1 14
29		11	2 17	**	15	2 4		18	14	80	1;	12	16	2	2	3 12	2	10	1:3:
30		2	6			212	"	18	3	81	H	12	2 5 3 22	2	3	116	2	10	2 14
31		2	1 23 3 12		16	2 12	i	19	1	82	H	12	1111		3	3 20	2	11	1
32 33	1 1	3	1 1		17	2 20	i		214	84	H	13	3	$\frac{2}{2}$	5	1 24	2	12	3 14
34	1	3	2 18		18	. 24	li	i	11	85	li	14	17	2	5	2 4	2	13	. 114
35		4	7		18	9	i	i	314	86	Ιí	14	2 6		6	. 8	2	13	3
36	1 6	4	1 24		19	1 4	i	2	2	87	li	14	3 23	2	6	212	5	14	1114
37		4	3 13		19	3 8	li	3	14	88	Ιi	15	112		7	16	2 2	15	1113
38		5	1 2	i		112	li	3	3	89	Ιî	15	3 1	2	7	2 20	2	15	2 14
39		15	2 19	i		3 16		4	1114	90	Ιi	16	18	2	8	24	2	16	il.
40		16	8	i	i	1 20	li	5		91	Ιì	16	2 7	2 2	8	3	2	16	3 14
41		16	1 25	î	i	324	li	5	214	92	Ιi	16	3 24		9	1 4	2	17	2
42		16	3 14	i	2	2	li	6	11.	93	î	17	1113	2	9	3 8	2	18	1.14
43		17	1 3	1	3	4	î	6	3 14	94	li	17	3 2	2	10	112	2	18	3
44		7	2 20	i	3	2 8	î	7	2	95	i	18	19		10	3 16	2	19	1 14
45		18	9	1	4	12	i	8	14	96	li	18	2 8	2	11	120	3		
46	1	18	1 26	1	4	2 16	1	8	3	97	1	18	3 25	2	11	3 24	3		2 14
47	1	18	3 15	1	5	20	1	9	1114	98	1	19	1 14	2	12	2	3	1	1
48		19	1 4	1	5	2 24	1	10		99	1	19	3 3	2	13	4	3	1	3 14
49	1	19	221	1	6	1	1	10	214	100	2		20		13	2 8	3	2	2
50	11.		10	1	6	3 4	1	11	1	200	4		1 12		7	16	6	5	h
51	111	. 1	127	1	7	1 1 8	1	11	314	1300	6	1	2 4	18	1	224	9	7	2

						_	BLE		11/2			_				
Numbr of Bushls	4511 per Bus			Olbs Bushel.		Ol er Bu	bs.	Numb of Bushle	14	151b per Bush	S. iel.		Bush		7C per	lbs. Bushel.
400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600	12 1 14 1 16 1 18 1 20 1 22 1 24 2 26 2 28 2 30 2	2 24 3 16 8 1 1 20 2 12 3 4 3 24 16 1 8	10 1 13 16 18 1 21 224 1 226 1 229 32 334 1 37 1	1 1 15 8 2 2 15 2 9 1 2 3 16 1 1 0 3 2	4 12 12 15 20 18 . 21 8 25 16 28 24 31 4 34 12 37 20 40 . 43 8 46 16 50	10 12 15 17 2 5 7 10 12 15 17 	2 2 2 2 2 2 2	1700 1800 1900 2000 2100 2200 2300 2400 2500 2500 2700 2800 2900	36 38 40 42 44 46 48 50 52 54 56	33333344444444	. 24 116 2 8 3	15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 4 7 1 5 8 2 5 9 2 6	2 24 1 4 3 12 1 20 2 8 , 16 2 24 1 4 3 12 1 20	53 56 59 62 65 1 68 1 77 1 1 75 81 84	5
				LES			LCU				OU.					
No. of Londs.	Loads of 2801bs		a of 2	80lbs. 4lbs.	No. of Loads.	28	oads of Olbs, Ne	Load		20lbs	No. o Load	28	oads		oads of and Sac	280lb k 4lbs.
1 2 3 4 5 6 7 8 9 10 1 12 13 14 15 16 19 20 1 22 22 24 25 6 27 8 29 30 31 22 33 34	2 17 3 2 3 5 3 7 3 10 3 12	Que 1 on 1 o	2 5 7 10 12 15 17 2 5 7 10 12 15 18 3 5 8 10 13 15 15 18 19 19 19 19 19 19 19 19 19 19 19 19 19	9 1 1 4 2 2 1 1 1 6 3 2 1 2 1 1 6 3 2 1 2 1 1 6 3 2 1 1 1 6 3 2 1 1 1 6 3 2 1 1 1 6 3 2 1 1 1 6 3 2 1 1 1 6 3 2 1 1 1 6 3 2 1 2 1 1 1 6 3 2 1 2 1 1 1 6 3 2 1 1 1 6 3 2 1 1 1 6 3 2 1 1 1 6 3 2 1 1 1 6 3 2 1 1 1 6 3 2 1 1 1 6 3 2 1 1 1 6 3 2 1 1 1 6 3 2 1 1 1 6 3 2 1 1 1 1 6 3 2 1 1 1 1 6 3 2 1 1 1 1 6 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	36 37 38 39 40 42 43 44 45 47 48 49 50 53 54 55 56 66 66 66 66 67 68 69	555555566666666677777777888888	Cwt Qr.	44445555555556666666667777777777888888	11 13 16 18 11 16 19 11 14 16 19 11 14 16 19 11 11 11 11 11 11 11 11 11 11 11 11	1 4 8 1 12 3 16 1 20 2 24 1	94 95 96 97 98 99 100 200 300	9 9 9 9 9 9 10 10 10 10 10 11 11 11 11 11 11 11 11	17 . 25 7 10 12 15 7 10 12 15 7 10 10 . 10 . 10	2 2	100 1 2 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1.14

TABLES TO CALCULATE FLOUR, &c., At 216lbs. to the Barrel, 240 and 244lbs. to the Load, per 112lbs. to the Cwt.

Numbr A	Barrel Flour, verage Weight, 216 lbs.	Loads of 240lb Net.	Loads of 240lbs and Sack 4lbs.	Barrel Flour. Average Weight, 216lbs.	Loads of 240lbs Net.	Loads of 240lbs and Sack 4lbs.
1 3 4 5 6 7 8 9 10 11 11 11 11 11 11 11 11 11 11 11 11	1 3 20 3 12 5 3 4 7 2 24 4 1 1 2 24 1 3 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	. 4 1 2 2 2 3 1: 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1 1 1 2 2 2 2 3 1: 2 2 5	2	Tons Ovt. Qraibs. 5 4 16 5 6 8 5 8 5 9 320 5 11 312 5 13 3 4 5 15 224 5 17 216 6 3 120 6 6 3 120 6 6 5 112 6 6 7 1 4 6 9 24 6 11 6 6 13 6 6 16 320 6 18 31 7 3 4 7 7 2 224 7 6 2 8 7 8 2 6 11 12 7 14 1 4 7 18 8 8 2 8 8 3 3 20 8 8 13 20	5 17 3 12 6 2	Toms. Cwt. Cwt. 5 17 2 16 5 17 3 8 6 2

1			G.	RAIN	T T'A	BLE	g.			
	BUSHELS	, PECKS,						S PER Q	UARTER	<u>. </u>
	ls.	5s.	10s	lis.	12s.	138.	148.	15s.	16s.	178.
Bu.	£ s. p. 7 0 0 104 6 0 0 9 5 0 0 74 4 0 0 6 8 0 0 44	2 8. D. 0 4 44 0 8 9 0 3 14 9 2 6 0 1 104	# s. D. 0 8 9 0 7 6 0 6 8 0 5 0 0 3 9	2 s. p. 0 9 74 0 8 3 0 6 104 0 5 6 0 4 14	£ s. D. 0 10 6 0 9 0 0 7 6 0 6 0 0 4 6	# 8. D. 0 11 44 0 9 9 0 8 14 0 6 6 0 4 104	# 8. D 0 12 3 0 10 6 0 8 9 0 7 0 0 5 3	£ s. p. 0 13 14 0 11 8 0 9 44 0 7 6 0 5 74	2 s. D. 0 14 0 0 12 0 0 10 0 0 8 0 0 6 0	£ s. D. 0 14 104 0 12 9 0 10 74 0 8 6 0 6 44
Pk.	2 0 0 3 1 0 0 1 8 0 0 1 2 0 0 0 1 0 0 0	0 1 3 0 0 74 0 0 54 0 0 32 0 0 12	0 2 6 0 1 3 0 0 11‡ 0 0 7± 0 0 3₹	0 2 9 0 1 44 0 1 04 0 0 84 0 0 4	0 8 0 9 1 6 0 1 14 0 0 9 0 0 44	0 8 8 0 1 74 0 1 24 0 0 92 0 0 42	0 8 6 0 1 9 0 1 32 0 0 104 0 0 52	0 3 9 0 1 104 0 1 42 0 0 114 0 0 54	0 4 0 0 2 0 0 1 6 0 1 0 0 0 6	0 4 8 9 2 14 0 1 7 0 1 02 0 0 61
Gal. QL	1 0 0 01 2 0 0 0 1 0 0 0 1 8s.	0 0 1 0 0 03 0 0 04 0 0 04	0 0 12 0 0 13 0 0 0 0 0 04 20\$.	0 0 2 0 0 1 0 0 1 0 0 0 21s.	0 0 21 0 0 11 0 0 1 0 0 01 22s.	0 0 24 0 0 14 0 0 14 0 0 04 23s.	0 0 24 0 0 2 0 0 13 0 0 03 24s.	0 0 2 0 0 1 0 0 0 2 0 0 2 5s.	0 0 3 0 0 24 0 0 14 0 0 03 268.	0 0 84 0 0 24 0 0 13 0 0 02 27s.
Bu.	7 0 15 9 6 0 13 6 5 0 11 8 4 0 9 0 3 0 6 9 2 0 4 6 1 0 2 8	0 16 74 0 14 3 0 11 104 0 9 6 0 7 14 0 4 9	0 17 6 0 15 0 0 12 6 0 10 0 0 7 6 0 5 0 0 2 6	0 18 42 0 15 9 0 13 12 0 10 6 0 7 102 0 5 8	0 19 8 0 16 6 0 13 9 0 11 0 0 8 3 0 5 6	1 0 1½ 0 17 3 0 14 4½ 0 11 6 0 8 7½ 0 5 9 0 2 10å	1 1 0 0 18 0 0 15 0 0 12 0 0 9 0 0 6 0 0 8 0	1 1 103 0 18 9 0 15 73 0 12 6 0 9 44 0 6 8	1 2 9 0 19 6 0 16 3 0 13 0 0 9 9 0 6 6 0 3 3	1 3 74 1 0 8 9 16 164 0 13 6 0 10 14 0 6 9
Fk. Gal.	8 0 1 8 1 2 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 1 94 0 1 24 0 0 7 0 0 34	0 1 10½ 0 1 3 0 0 7å 0 0 3¾	0 1 118 0 1 32 0 0 72 0 0 4	0 2 02 0 1 41 0 0 81 0 0 4	0 2 13 0 1 53 0 0 84 0 0 43	0 2 3 0 1 6 0 0 9 0 0 43	0 2 4 0 1 63 0 0 93 0 0 42	0 2 54 0 1 74 0 0 93 0 0 43	0 2 61 0 1 81 0 0 10 0 0 5
Qt.	8 0 0 21 2 0 0 13 1 0 0 03 28s.	0 0 1 0 0 1 29s.	0 0 23 0 0 12 0 0 1 30s.	0 0 3 0 0 2 0 0 1 3 ls.	$\begin{bmatrix} 0 & 0 & 3 \\ 0 & 0 & 2 \\ 0 & 0 & 1 \\ 32s. \end{bmatrix}$	0 0 34 0 0 24 0 0 1 33s.	0 0 31 0 0 21 0 0 1 348.	0 0 84 0 0 24 0 0 14 358.	0 0 32 0 0 24 0 0 14 368.	0 0 34 0 0 24 0 0 14 37s.
Ru.	7 1 4 6 6 1 1 0 5 0 17 6 4 0 14 0 3 0 10 6 2 0 7 0 1 0 3 6	1 5 4½ 1 1 9 0 18 1½ 0 14 6 0 10 10½ 0 7 3 0 3 7½	1 6 3 1 2 6 0 18 9 0 15 0 0 1 8 9 0 7 6 0 8 9	1 7 1½ 1 3 3 0 19 4½ 0 15 6 0 11 7½ 0 7 9 0 3 10½	1 8 0 1 4 0 1 0 0 0 16 0 0 12 0 0 8 0 0 4 0	1 8 10½ 1 4 9 1 0 7½ 0 16 6 0 12 4½ 0 8 8 0 4 1½	1 9 9 1 5 6 1 1 3 0 17 0 0 12 9 0 8 6 0 4 3	1 10 74 1 6 8 1 1 104 0 17 6 0 13 14 0 8 9 0 4 4è	1 11 6 1 7 0 1 2 6 0 18 0 0 18 6 0 9 0 0 4 6	1 12 44 1 7 9 1 8 14 0 18 6 0 18 104 0 9 8 0 4 74
Pk.	3 0 2 74 2 0 1 9 1 0 0 104 1 0 0 54	0 2 8½ 0 1 9¾ 0 0 10¾ 0 0 5½	0 2 93 0 1 103 0 0 112 0 0 54	0 2 103 0 1 114 0 0 116 0 0 53	0 8 0 0 2 0 0 1 0 0 0 6	0 3 1 0 2 03 0 1 04 0 0 64	0 8 24 0 2 15 0 1 02 0 0 64	0 3 3 4 0 2 2 4 0 1 1 0 0 6 4	0 8 44 0 2 8 0 1 14 0 0 62	0 8 54 0 2 82 0 1 12 0 0 7
Qt.	3 0 0 4 2 0 0 21 1 0 0 12 38s.	0 0 4 0 0 25 0 0 14 39s	0 0 44 0 0 23 0 0 14 40s.	0 0 44 0 0 3 0 0 1 4 ls.	0 0 44 0 0 8 0 0 14 428.	0 0 43 0 0 3 0 0 1 0 43s.	0 0 42 0 0 34 0 0 14 44s.	0 0 5 0 0 34 0 0 13 45s.	0 0 5 0 0 84 0 0 11 46s.	47s.
Bu.	7 1 13 8 6 1 8 3 5 1 3 9 4 0 19 9 8 0 14 3 2 0 9 6 1 0 4 9	1 14 14 14 1 9 8 1 4 44 0 19 6 0 14 74 0 9 9 0 4 104	1 15 0 1 10 0 1 5 0 1 0 0 0 15 0 0 10 0 0 5 0	1 15 104 1 10 9 1 5 74 1 0 6 0 15 44 0 10 3 0 5 14	1 16 9 1 11 6 1 6 8 1 1 0 0 15 9 0 10 6 0 5 8	1 17 7½ 1 12 8 1 6 10½ 1 1 6 0 16 1½ 0 10 9 0 5 4₺	1 18 6 1 18 0 1 7 6 1 2 0 0 16 6 0 11 0 0 5 6	1 19 4½ 1 13 9 1 8 1½ 1 2 6 0 16 10½ 0 11 3 0 5 7½	2 0 8 1 14 6 1 8 9 1 8 0 0 17 3 0 11 6 0 5 9	2 1 13 1 15 8 1 9 44 1 3 6 0 17 74 0 11 9 0 5 104
Pk.	8 0 3 62 2 0 2 44 1 0 1 24	0 3 75 0 2 51 0 1 23	0 3 9 0 2 6 0 1 3	0 3 10 0 2 6 0 1 3 1	0 8 112 0 2 74 0 1 33	0 4 64 0 2 84 0 1 4	0 4 14 0 2 9 0 1 41	0 4 2 9 0 0 1 4 2 0 0 1 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 4 82 0 2 101 0 1 54	0 4 49 0 2 114 0 1 54
Gal. Qt.	3 0 0 5½ 2 0 0 3½ 1 0 0 1½	0 0 54 0 0 33 0 0 13	0 0 74 0 0 54 0 0 32 0 0 12 50s.	0 0 7 2 0 0 5 2 0 0 2 5 1 S.	0 0 78 0 0 6 0 0 4 0 0 2 52s	0 0 8 0 0 6 0 0 4 0 0 2 53s.	0 0 64 0 0 64 0 0 2 548	0 0 84 0 0 64 0 0 4 0 0 2 558	0 0 84 0 0 64 0 0 44 0 0 24 56s.	0 0 84 0 0 64 0 0 24 578.
Bu.	7 2 2 0 6 1 16 0 5 1 10 0 4 1 4 0 3 0 18 0 2 0 12 0	4 9 S. 2 2 10½ 1 16 9 1 10 7½ 1 4 6 0 18 4½ 0 0 12 3 0 6 1½ 0 0 4 7 0 3 02 0 1 6½ 0 0 9½ 0 0 4½ 0 0 2½	2 3 9 1 17 6 ! 11 3 1 5 0 0 18 9	2 14 74 1 15 3 1 11 104 1 5 6 0 19 14	2 5 6	2 6 4½ 1 19 9	2 7 3	2 8 14	2 9 0	2 9 104 2 2 9 1 15 74 1 9 6 1 1 44
Pk.	1 0 6 0 3 0 4 6 2 0 3 0	0 6 14 0 4 7 0 3 03	0 6 8 0 4 84 0 3 14	0 6 44 0 4 9 0 3 24	0 13 0 0 6 6 0 4 101 0 3 3	0 18 3 0 6 74 0 4 114 0 8 34	0 6 9 0 5 03 0 3 46	0 6 101 0 5 12 0 3 52	0 7 0 0 0 5 3 0 3 6 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 7 14 0 5 4 0 3 64
Gal. Qt.	5 1 10 0 0 4 1 4 0 0 0 0 0 0 0 0 0 0 0 0	0 0 94 0 0 7 0 0 44 0 0 24	1 1 3 1 5 0 0 12 6 0 12 6 3 0 4 5 4 0 0 2 1 6 2 0 0 7 0 0 2 1 0 0 0 2 1 0 0 0 2 1	1 11 104 1 5 6 0 19 14 0 12 9 0 4 24 0 0 4 24 0 0 7 44 0 0 0 24	1 12 6 1 6 0 0 19 6 0 13 6 0 4 101 0 3 7 7 7 0 0 9 7 8 0 0 4 8 0 0 4 8 0 0 4 8	1 13 14 1 6 6 0 19 104 0 18 3 0 4 115 0 8 32 0 1 72 0 0 17 0 0 5 0 0 24	2 0 6 1 13 9 1 7 0 1 0 3 0 18 6 0 6 9 0 5 03 0 1 8 4 0 0 10 0 0 7 6 0 0 5 0 0 24	2 1 3 1 14 45 1 7 6 1 0 75 0 13 9 0 6 105 0 5 12 0 0 1 85 0 0 1 85 0 0 75 0 0 25	1 15 0 1 8 0 1 1 0 0 14 0 0 7 0 0 5 3 0 3 6 0 1 9 0 0 104 0 0 54 0 0 24	1 15 74 1 9 6 1 1 44 0 14 8 0 14 8 0 0 5 4 0 0 1 94 0 0 108 0 0 0 84 0 0 24

TABLES TO CALCULATE HAY AND STRAW.

From £1 to £10 per Load.

Prices Prices per Load. per Truss.	Prices Prices per Load. per Truss	Prices Prices per Load. per Truss.	Prices Prices per Load. per Truss,	Prices Prices per Load. per Truss.	Prices Prices per Load. per Truss.
# 5.	2 14 "1 6 4 2 15 "1 6 4 2 15 "1 6 4 2 16 "1 6 4 2 16 "1 7 4 2 19 "1 7 4 3 0 "1 8 4 3 2 "1 8 4 3 2 "1 9 4 3 5 "1 10 3 7 "1 10 4 3 10 "1 11 4 3 10 "1 11 11 4 3 12 "2 0 0 3 14 "2 0 0 3 15 "2 1 3 16 "2 1 1 3 16 "2 1 1 3 17 "2 1 3 18 "2 2 1 3 18 "2 2 2 1 4 0 "2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 34 4 4 2 4 4 4 5 2 4 4 4 5 2 2 5 4 4 6 7 2 2 5 4 4 6 7 2 2 5 4 4 7 8 9 2 2 5 4 10 2 2 6 4 11 2 2 2 2 2 2 10 4 11 2 2 2 2 2 10 4 11 18 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	5 13 ,3 12 5 14 ,3 2 22 5 15 ,3 2 22 5 16 ,3 3 22 5 17 ,3 3 32 5 18 ,3 3 32 6 0 ,3 3 4 6 1 ,3 4 42 6 3 ,3 5 52 6 6 7 ,3 6 62 6 7 ,3 6 62 6 10 ,3 72 6 12 ,3 82 6 12 ,3 82 6 12 ,3 82 6 12 ,3 82 6 13 ,3 82 6 14 ,3 82 6 15 ,3 92 6 17 ,3 92 6 18 ,3 102 6 19 ,3 102	7 3 "3 11½ 7 4 "4 04 7 5 "4 04 7 7 6 "4 1 7 8 "4 1½ 7 10 "4 2½ 7 11 "4 2½ 7 11 "4 2½ 7 13 "4 3 7 14 "4 3½ 7 16 "4 4 1 7 18 "4 4½ 7 19 "4 5½ 8 1 "4 5½ 8 2 "4 6½ 8 3 "4 6½ 8 4 "4 6½ 8 5 "4 7 7½ 8 8 5 "4 7 7½ 8 8 9 "4 8½ 8 9 "4 8½	8 13 ", 4 9 3 8 14 ", 4 10 8 15 ", 4 10 9 8 16 ", 4 10 9 8 17 ", 4 11 9 0 ", 5 0 9 1 ", 5 0 9 1 ", 5 0 9 1 0 ", 5 3 1 9 10 ", 5 3 1 9 10 ", 5 3 1 9 10 ", 5 3 1 9 10 ", 5 3 1 9 11 ", 5 3 1 9 14 ", 5 5 1 9 16 ", 5 5 1 9 17 ", 5 5 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9 1 9

HAY AND STRAW WEIGHT.

36 lbs. Avoirdupois of Straw, make one Truss.

60 do.of new 5 may ... one Load.

Hence a load of Straw weighs 11 cwt. and four-sevenths; a load of old Hay 18 cwt.; a load of new Hay 19 cwt. and 32 lbs. Avoirdupois.

By Act 36 Geo. III. c. 88, each Truss of Hay, sold between the 31st of August in any year, and the 1st of June in the succeeding year, must weigh 56lbs, and every Truss of Hay, sold between the 1st of June and the 31st of August, being new Hay of the summer's Grass of that year, shall weigh 60lbs.

OBSERVATION.

The above Table is so simple, it needs no explanation. It may, however, be requisite to state, that at the different amounts where the odd farthings, of halffence, are calculated, it is necessary, on account of the fractional farts, to and a farthing upon back truss, which will make the amount of Straw or Hay sold preponderate a little in the seller's favour.

RULE FOR ASCERTAINING THE WEIGHT OF HAY STACKS.

Measure the length and breadth of the stack; then take its height from the ground to the eaves, and add to this last one-third of the height from the eaves to the top: Multiply the length by the breadth, and the product by the height, all expressed in feet; divide the amount by 27, to find the cubic yards, which multiply by the number of stones supposed to be in a cubic yard (viz. in a stack of new hay, six stones; if the stack has stood a considerable time, eight stones; and if old hay, nine stones), and you have the weight in stones. For example, suppose a stack to be 60 feet in length, 30 in breadth, 12 in height from the ground to the eaves, and 9 (the third of which is 3) from the caves to the top; then $69 \times 30 \times 15 = 27000$; 27000 = 27 = 1000; and $1000 \times 9 = 9000$ stones of old hay.

CORN OR SEED TABLE,

DIRECTING HOW TO SELL OR BUY CORN, SEEDS, &c., BY THE QUARTER, BUSHEL, OR PECK, FROM TEN SHILLINGS, TO SIX POUNDS NINE SHILLINGS PER QUARTER

Q	rice iarte Busi	r, oi	Ві	Per ishel.	P	Per eck.	Qu	rice arte Bush	r, of	Bı	Per ishel.	I	Per eck.	Qu	rice sarte Busi	r, of		er shel.		Per eck.	Qu	rice j arte Bush	r, of	Bu	er shel.		Per e ck.
£	8.	d.	8.		8.		£	s.	d.	8	. d.	8		æ	8.	d.	5.	d.	8.		£	8.	d.	8.	d.	8	
Õ	10	0ie	1	3	0	-4		0	0is	_	0	1	3	3	10			9	2	21	5	0	Ois			3	
Ő	11	0	Į.	41	0	-	2	1	0	5	11	ij	31	3	11	0	8	103	2	$2\frac{1}{2}$	5	1	Ŏ	12		3	13
Ŏ	12	Ŏ	l i	6	Ŏ	$4\frac{1}{2}$	2	2	0	5	3	ļ	33	3	12	0	9	0	2	3	5	2	0	12	9	3	21
Û	13	Ō.	ΙŢ	71	0	43		3	0	5	41	1	4	3	13	0	9	1 ½	2	31	5	3	0	12	103		21
Ĭδ	14	0	!!	9	0	54		4	0	5	6	ļ	41	3	14	0	9	3	2	33	5	4	0	13	0	3	3
Ιŏ	15	0	ī	103	0	51	2	5	0	5	71	ļ	43	3	15	0	9	41/2	2	4	5	5	0	13	13		31
Ιŏ	16	Ŏ	2	0	ŏ	6	2	6	0	5	9	ļ	5 1	3	16		9	6	2	41/2	5	6	0	13		3	34
ľδ	17	0	2	1 3	0	64	2	7	0	5	101	ļ	$5\frac{1}{2}$	3	17	0	9	71/2	2	43	5	7	0	13	41/2		4
ŭ	18	0	2	3	ŏ	6₹	2	8	0	6	0	ļ	6	3	18	0	9	9	2	51	5	8	0	13		3	41
ó	19	0	2	41/2	0	7	2	.9	0	6	13	Į;	61	3	19	0	9	101	2	$\frac{5\frac{1}{2}}{6}$	5	9	0	13	7₺		43
Ļ	0	0	2	6	0	$7\frac{1}{2}$	2	10	0	6	3	ļ	63	4	0	0	10	0	2	6	5	10	0	13	9	3	54
ļ	ï	0	2	73	0	73	2	11	0	6	41	ļ	7.	4	l	0	10	13	2	61	5	11	0	13	103	3	<u>5₹</u>
Ļ	2 -3	0	2	9	0	81	2	12	0	6	6	ļ	73	4	2	0	10	3	2	63	5	12	0	14		3	6
Ľ	_	0	2	$\frac{10\frac{1}{2}}{0}$	0	81	2	13	0	6	$\frac{7\frac{1}{2}}{2}$	1	$7\frac{3}{4}$	4	3	0	10	41/2	2 2	7,1	5	13	0	14	1 1 3	3	6 1
ļ	4 5	0	3	-	0	9	2	14	0	6	9	1	81		4	0	10 10	6		71	5	14	0	14		3	6 3
ļ,	6	0	3	$\frac{1\frac{1}{2}}{3}$	ŏ	91	2	15	0	7	10½ 0	1	$\frac{8\frac{1}{2}}{9}$	4	5 6	0	10	$\frac{7\frac{1}{2}}{2}$	2 2	$7\frac{3}{4}$	5	15	V	14 14	$\frac{4\frac{1}{2}}{6}$		7
١,			3	- 1		9¾ 10	2	16	0	•	-	1	-	4		0		9		81	5	16	0		-	3	71
H	7	0	3	4 1 6	0		2	1/	0	7 7	$\frac{1\frac{1}{2}}{3}$	1	9 <u>1</u> 9활	4	7 8	0	11	103	2 2	$8\frac{1}{2}$	5	17	0	14 14	7 1	3	73
ŀ	8 9	ö	3	71	0	10년 10월	$\frac{2}{2}$	18 19	0	7		1	10	4	9	0	11	0	2	9 9 1	5	18 19	0		9 10 1		81
lt	10	ŏ	3	92	ő		3	0	0	7	4½ 6	1	103	4	10	0	11	$\frac{1\frac{1}{2}}{3}$	2		6	19	0	15	0	3	8 չ 9
li	11	ŏ	3	101	ŏ	113	3	ì	ő	7	7 1	1	103	4	11	0	11	41	2	9 3 10	6	1	0	15	11	3	9 91
1	12	ŏ	4	0	ĭ	03	3	2	0	7	92	1	113	4	12	X	11	6	2	101	6	2	0	15	3	3	9 1
lŧ	13	ŏ	4	14	i	01	3	3	ő	7	101	i	113	7	13	ŏ	ii	7 1	2	103		3	ŏ	15	41	3	10
li	14	ŏ	4	3	i	03	3	4	ŏ	8	0	2	0	4	14	ŏ	11	9	2	111	6	4	ŏ	15	6	3	101
li	15	ŏ	4	41/2	i	ĭ	3	5	ŏ	8	11	2	03	4	15	ŏ		10 1	2	113	6	5	ŏ	15	7 <u>₹</u>	3	103
li	16	ŏ	4	6	i	13	3	6	ŏ	8	3	2	03	4	16	ŏ	12	0	3	0	6	6		15	92	3	iii
lî	17	ŏ	4	71	i	13	3	7	ŏ	8	41	2	1	1	17	ň	12	13	3	0 1	6	7	ŏ	15	10 1	3	113
li	18	ŏ	4	92	î	21	3	8	ŏ	8	6	2	11	A	18	ŏ	12	3	3	03		8	ŏ	16	0.	4	0
li	19	ŏ	4	10½	î	21	3	9	ŏ	8	7 1	2	13	4	19	ŏ	12	$4\frac{1}{2}$	3	ĭŦ	6	9	ŏ	16	1 1	4	01
۴		~	÷	102	<u> </u>	22	10	<u> </u>	~	_	121	-	1 41	1 7	10			72	v		10	<u> </u>	.,		12	_	- 54

FLOUR OR MEAL TABLE,

DIRECTING HOW TO BUY OR SELL FLOUR OR MEAL PER THE SACK, BUSHEL, PECK, STONE, OR POUND, FROM TEN SHILLINGS TO SEVEN POUNDS PER SACK.

At per Sack of Flour of Five Bushls, or 280 lbs.	Per Bushel or Peck of of 56lbs.	Per Half Peck of 7lbs. Per lb.	At per Sack of Flour of Five Bushls, or 280lbs.	Per Stone or Peck of 14lbs.	Per Half Peck of 7lbs.	Per lb.
8 s. d. 0 10 0 0 15 0 1 0 0 1 1 0 1 2 0 1 3 0 1 4 0 1 5 0 1 6 0	## s. d. ## s. d. 0 2 0 0 0 6 0 3 0 0 0 9 0 4 0 0 1 0 0 4 2\frac{1}{4} 0 1 1 0 4 4\frac{3}{4} 0 1 1 0 4 9\frac{1}{2} 0 1 2\frac{1}{4} 0 5 0 0 1 3 0 5 2\frac{1}{4} 0 1 3\frac{1}{2}	$ \begin{vmatrix} 0 & 0 & 6\frac{1}{2} & 0\frac{3}{4} \\ 0 & 0 & 6\frac{3}{4} & 0\frac{3}{4} \\ 0 & 0 & 7 & 1 \\ 0 & 0 & 7\frac{1}{2} & 1 \end{vmatrix} $	# s. d. # s. d. 1 70 0 5 43 1 80 0 5 7 1 90 0 5 93 1 10 0 0 6 0 1 11 0 0 6 23 1 12 0 0 6 43 1 13 0 0 6 7 1 14 0 0 6 93 1 15 0 0 7 0	$\begin{array}{c cccc} 0 & 1 & 6 \\ 0 & 1 & 6\frac{1}{2} \\ 0 & 1 & 7 \\ 0 & 1 & 7\frac{3}{4} \end{array}$	# s. d. 0 0 8 0 0 8½ 0 0 8½ 0 0 9 0 0 9½ 0 0 9½ 0 0 9½ 0 0 10 0 0 10½	

At per Sack of Flour of Five Bushels or 280lbs.	Per Bushel	Per Stone or Peck of 141bs.	Per Half Peck of 7lbs.	Per Ib.	At per Sack of Flour of Five Bushels, or 2801bs.	Per Bushel of 56 lbs.	Per Stone or Peck of 14lbs.	Per Half Peck of 7lbs.	Per lb.
# s. d. 1 16 0 1 17 0 1 18 0 1 17 0 0 1 18 0 0 1 19 0 0 0 2 2 1 0 0 2 2 3 0 0 2 2 5 6 0 0 2 2 5 6 0 0 2 2 10 0 0 2 2 13 0 0 2 2 14 0 0 2 2 15 0 0 2 2 15 0 0 2 2 16 0 0 2 2 17 0 0 2 2 18 0 0 2 2 18 0 0 3 3 5 0 0 3 3 5 0 0 3 3 10 0 0 3 3 11 0 0 3 3 15 0 0 3 16 0 0 3 3 17 0 0 3 18 0 0 4 4 5 0 0 4 4 5 0 0 4 4 5 0 0 4 4 5 0 0 4 4 5 0 0 4 4 5 0 0 4 4 5 0 0 4 4 5 0 0 4 4 5 0 0 4 4 5 0 0 4 5 0 0 0 4 5 0 0 0 0	0 7 4章 0 7 7 4章 0 7 7 7 95 0 8 24章 0 9 24章 0 9 9 24章 0 10 24章 0 10 24章 0 10 24章 0 11 24章 0 12 24章 0 12 24章 0 13 3 24章 0 13 3 7 2 0 14 2 4章 0 15 2 4章 0 16 24章 0 17 4章 0 17 4章 0 17 4章	d. d	# s. d.	6.131-31-31-31-31-31-31-31-31-31-31-31-31-	\$\frac{1}{4}\$, \frac{1}{9}\$, \frac{1}{0}\$, \frac{1}{4}\$, \frac{1}{9}\$, \frac{1}{0}\$, \frac{1}{4}\$, \frac{1}{10}\$, \frac{1}{4}\$, \frac{1}{12}\$, \frac{1}{0}\$, \frac{1}{4}\$, \frac{1}{12}\$, \frac{1}{0}\$, \frac{1}{4}\$, \frac{1}{13}\$, \frac{1}{0}\$, \frac{1}{13}\$, \frac{1}{0}\$, \frac{1}{13}\$, \frac{1}{0}\$, \frac{1}{0}\$, \frac{1}{13}\$, \frac{1}{0}\$, \frac{1}	$\begin{array}{c} 3.0 \\ 4.4 \\ 4.7 \\ 4.4 \\ 4.7 \\ 4.4 \\ 4.7 \\ 4.4 \\ 4.7 \\ 4.4 \\ 4.7 \\$	#. 4. 54 6 4 6 54 6 4 6 65 7 7 7 8 4 9 9 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	#. 4.12 8. 2.23 3.34	033333444444444444444444555555555555555

TABLE

To calculate the Price per Stone of 8 or 14lbs. and 112lbs.,

Prom One Farthing to Two Shillings per Pound.

$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	PRICES per fb.	Per Stone of 8lbs.	Per Stone of 14lbs.	Per Cwt. of 112lbs.	PRICES	Per Stone of Slbs.	Per Stone of 14lbs.	Per Cwt. of 112lbs.
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	# s. d. 0 0 0 1 4 0 0 0 0 3 0 0 0 1 0 0 1 1	# s. d. 0 0 2 0 0 4 0 0 6 0 0 8 0 0 10	# s. d. 0 0 3½ 0 0 7 0 0 10½ 0 1 2 0 1 5½	* s. d. 0 2 4 0 4 8 0 7 0 0 9 4 0 11 8	8. d. 0 1 01 0 1 02 0 1 03 0 1 03 0 1 1 0 1 1	# s. d. 0 8 2 0 8 4 0 8 6 0 8 8 0 8 10 0 9 0	# s. d. 0 14 3½ 0 14 7 0 14 10½ 0 15 2 0 15 5½	5 14 4 5 16 8 5 19 0 6 1 4 6 3 8 6 6 0
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{ccccc} 0 & 0 & 2 \\ 0 & 0 & 2\frac{1}{4} \\ 0 & 0 & 2\frac{1}{2} \\ 0 & 0 & 2\frac{3}{4} \\ 0 & 0 & 3 \end{array}$	0 1 4 0 1 6 0 1 8 0 1 10 0 2 0	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0 18 8 1 1 0 1 3 4 1 5 8 1 8 0	0 1 2 0 1 2¼ 0 1 2½ 0 1 2¾ 0 1 3	0 9 4 0 9 6 0 9 8 0 9 10 0 10 0	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	6 10 8 6 13 0 6 15 4 6 17 8 7 0 0 7 2 4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0 2 4 0 2 6 0 2 8 0 2 10 0 3 0 0 3 2	0 4 1 0 4 4½ 0 4 8 0 4 11½ 0 5 3 0 5 6½	1 12 8 1 15 0 1 17 4 1 19 8 2 2 0 2 4 4	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0 10 6 0 10 8 0 10 10 0 11 0 0 11 2	0 18 4½ 0 18 8 0 18 11½ 0 19 3 0 19 6½	7 7 0 7 9 4 7 11 8 7 14 0 7 16 4
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0 3 6 0 3 8 0 3 10 0 4 0 0 4 2 0 4 4	0 6 1½ 0 6 5 0 6 8½ 0 7 0 0 7 3½ 0 7 7	2 9 0 2 11 4 2 13 8 2 16 0 2 18 4 3 0 8	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0 11 6 0 11 8 0 11 10 0 12 0 0 12 2 0 12 4	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	8 1 0 8 3 4 8 5 8 8 8 0 8 10 4 8 12 8
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0 0 7 0 0 7¼ 0 0 7½ 0 0 7¾ 0 0 8	0 4 8 0 4 10 0 5 0 0 5 2 0 5 4	0 8 2 0 8 5 0 8 9 0 9 0 0 9 4	3 5 4 3 7 8 3 10 0 3 12 4 3 14 8	0 1 7 0 1 7 0 1 7 0 1 7 0 1 7 0 1 8	0 12 8 0 12 10 0 13 0 0 13 2 0 13 4	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	8 17 6 8 19 8 9 2 6 9 4 6 9 6 8
0 0 10 0 6 8 0 11 8 4 13 4 0 1 10 0 14 8 1 5 8 10 5	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0 5 8 0 5 10 0 6 0 0 6 2 0 6 4	0 9 11 0 10 23 0 10 6 0 10 93 0 11 1	3 19 4 4 1 8 4 4 0 4 6 4 4 8 8	$\begin{array}{cccc} 0 & 1 & 8\frac{3}{4} \\ 0 & 1 & 9 \\ 0 & 1 & 9\frac{1}{4} \\ 0 & 1 & 9\frac{1}{2} \end{array}$	0 13 10 0 14 0 0 14 2 0 14 4	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	9 13 8 9 16 6 9 18 4 10 0 8
0 0 111 0 7 8 0 13 5 5 7 4 0 1 112 0 15 8 1 7 5 10 19	0 0 11½ 0 0 11¾ 0 1 0	0 7 8 0 7 10 0 8 0	0 13 5 0 13 84 0 14 0	5 7 4 5 9 8 5 12 0	$\begin{array}{cccc} 0 & 1 & 11\frac{1}{2} \\ 0 & 1 & 11\frac{3}{4} \\ 0 & 2 & 0 \end{array}$	0 15 8 0 15 10 0 16 0	1 7 81	10 19 4 11 1 8 11 4 0

TABLE OF ALIQUOT PARTS.

An aliquot part is such a part of any amount as can be made to produce that amount by multiplying the part by a whole number, thus 1s. 8d. is an aliquot part of a $\mathscr E$ because 1s. 8d. \times 12 - 20s. or $\mathscr E$ 1.

1	se is. od. X 12 = 208, or 201.
ALIQUOT PARTS OF A PENNY.	ALIQUOT PARTS OF A POUND AVOIRDUPOIS.
‡ the fourth = .25	8 the half = .5
the half	4 fourth = .25
	2 eighth = .125 1 sixteenth. = .0625
ALIQUOT PARTS OF A SHILLING.	l sixteenth = .0625
d. 6 the half = .5	ALIOTIOT PARTS OF A OTTARTER OF A
4 third = .3333	ALIQUOT PARTS OF A QUARTER OF A HUNDRED WEIGHT.
3 . fourth = .25	lb.
2 sixth = .16666	14 the half = .5
la eighth = .125	7 fourth = .25
1 twelfth = .08383	4 seventh14285
3 sixteenth = .0625	34. eighth = .125
† . twenty-fourth	2 fourteenth071428 1 twenty-eighth035714
‡ forty-eighth = .0200303	1 twenty-eighth = .035/14
ALIQUOT PARTS OF A POUND.	
s. d.	ALIQUOT PARTS OF A HUNDRED WEIGHT.
10 0 the half5	gr. lb. 2 or 56 the half = .5
6 8 third3333	2 or 50 the nair = .5 1 28 fourth = .25
5 0 . fourth	16 seventh = .25
4 0 fifth = .2	14 eighth = .125
3 4 sixth — .16666 2 6 eighth — .125	8 fourteenth = 071428
2 6 eighth125 2 0 tenth1	7 . sixteenth
1 8 . twelfth	4 twenty-eighth = .035714
1 4 . fifteenth	3g. thirty-secondth = .031250
1 3 sixteenth = .0625	
1 0 twentieth = .05	ALIQUOT PARTS OF A TON.
0 10 twenty-fourth = .041666	cwt.
0 8 thirtieth03333	10 the half5
0 74. thirty-secondth	5 fourth = .25
0 6 fortieth = .025 0 5 forty-eighth = .020833	4 . fifth
0 4 electrical	2 . tenth
U 4 BIAMEDII	
1 0 37 sixty-fourth = .015625	1 twentieth = 05
0 4 . sixtleth	1 twentieth = .05
0 3% sixty-fourth = .015625	1 twentieth05
0 32. sixty-fourth = .015625	1 . twentieth
	1 1 twentieth — .05
	1. twentieth05
A T/	1 1 twentieth05
A TA	ABLE S EQUIVALENT TO ANY GIVEN VARIATION
A TA SHOWING THE RATE PER CENT. WHICH I IN P	ABLE S EQUIVALENT TO ANY GIVEN VARIATION PRICE.
SHOWING THE RATE PER CENT. WHICH I IN P per cent.	ABLE S EQUIVALENT TO ANY GIVEN VARIATION PRICE.
SHOWING THE RATE PER CENT. WHICH I IN P per cent.	ABLE SEQUIVALENT TO ANY GIVEN VARIATION PRICE. 1-7th part added to or subtracted from a given
SHOWING THE RATE PER CENT. WHICH I IN P 1-100th part added to or subtracted from a given = 1 price	ABLE SEQUIVALENT TO ANY GIVEN VARIATION PRICE. 1-7th part added to or subtracted from a given
SHOWING THE RATE PER CENT. WHICH I IN P 1-100th part added to or subtracted from a given = 1 1-50th " = 2	ABLE SEQUIVALENT TO ANY GIVEN VARIATION RICE. 1-7th part added to or subtracted from a given per cent. = 14° price 1-6th "" = 16° 3
SHOWING THE RATE PER CENT. WHICH I IN P 1-100th part added to or subtracted from a given = 1 1-50th = 2 1-25th = 4	A B L E S EQUIVALENT TO ANY GIVEN VARIATION RICE. 1-7th part added to or subtracted from a given = 142, 1-6th
SHOWING THE RATE PER CENT. WHICH I IN P 1-100th part added to or subtracted from a given 1 1-50th	1
SHOWING THE RATE PER CENT. WHICH I IN P 1-100th part added to or subtracted from a given = 1 1-50th	1
SHOWING THE RATE PER CENT. WHICH I IN P 1-100th part added to or subtracted from a given = 1 price = 1 1-50th	1
SHOWING THE RATE PER CENT. WHICH I IN P 1.100th part added to or subtracted from a given 1 1.50th	ABLE SEQUIVALENT TO ANY GIVEN VARIATION PRICE. 1-7th part added to or subtracted from a given per cent. 14% 1-6th price 16% 1-6th " = 20 1-4th " = 25 1-half " = 50 3-4th " = 75 price doubled = 100
SHOWING THE RATE PER CENT. WHICH I IN P 1-100th part added to or subtracted from a given price 1 1-50th " = 2 1-20th " = 5 1-16th " = 61 1-14th " = 7 1-121h " = 88 1-10th " = 10	1
SHOWING THE RATE PER CENT. WHICH I IN P 1.100th part added to or subtracted from a given 1 1.50th	ABLE SEQUIVALENT TO ANY GIVEN VARIATION PRICE. 1-7th part added to or subtracted from a given price 14% 1-6th " = 16% 1-6th " = 26 1-half " = 50 3-4th " = 75 price doubled " = 100 " trebled = 200
SHOWING THE RATE PER CENT. WHICH I IN P 1-100th part added to or subtracted from a given price 1 1-50th " = 2 1-20th " = 5 1-16th " = 61 1-14th " = 7 1-121h " = 88 1-10th " = 10	1
SHOWING THE RATE PER CENT. WHICH I IN P 1-100th part added to or subtracted from a given price 1 1-50th " = 2 1-25th " = 4 1-20th " = 5 1-16th " = 6½ 1-14th " = 6½ 1-12th " = 8½ 1-10th " = 10 1-8th " = 12½	ABLE SEQUIVALENT TO ANY GIVEN VARIATION PRICE. 1-7th part added to or subtracted from a given price 147 1-6th " = 163 1-4th " = 20 1-4th " = 50 3-4th " = 75 price doubled " = 100 " trebled " = 200 " quadrupled = 300
SHOWING THE RATE PER CENT. WHICH I IN P 1-100th part added to or subtracted from a given price 1 1-50th " = 2 1-25th " = 4 1-20th " = 5 1-16th " = 6½ 1-14th " = 6½ 1-12th " = 8½ 1-10th " = 10 1-8th " = 12½	1
SHOWING THE RATE PER CENT. WHICH I IN P 1-100th part added to or subtracted from a given price 1 1-50th " = 2 1-25th " = 4 1-20th " = 5 1-16th " = 6½ 1-14th " = 6½ 1-12th " = 8½ 1-10th " = 10 1-8th " = 12½	1
SHOWING THE RATE PER CENT. WHICH I IN P 1-100th part added to or subtracted from a given = 1 1-50th	1
SHOWING THE RATE PER CENT. WHICH I IN P 1-100th part added to or subtracted from a given 1 1-50th	ABLE S EQUIVALENT TO ANY GIVEN VARIATION PRICE. 1-7th part added to or subtracted from a given = 14? 1-6th
SHOWING THE RATE PER CENT. WHICH I IN P 1-100th part added to or subtracted from a given 1 1-50th	1
SHOWING THE RATE PER CENT. WHICH I IN P 1-100th part added to or subtracted from a given 1 1-50th	1
A TA SHOWING THE RATE PER CENT. WHICH I IN P 1-100th part added to or subtracted from a given = 1 1-50th	1. twentieth
A T / SHOWING THE RATE PER CENT. WHICH I IN P 1-100th part added to or subtracted from a given = 1 1-50th	1. twentieth
A T / SHOWING THE RATE PER CENT. WHICH I IN P 1-100th part added to or subtracted from a given = 1 1-50th	ABLE SEQUIVALENT TO ANY GIVEN VARIATION PRICE. 1-7th part added to or subtracted from a given = 147 1-6th
A TA SHOWING THE RATE PER CENT. WHICH I IN P 1-100th part added to or subtracted from a given = 1 1-50th	1. twentieth

VARIOUS MEMORANDA CONNECTED WITH WEIGHTS AND MEASURES. A cubic inch of distilled water at 62° Fah. weighs 252.458 grs. To convert the old measures into the new imperial :-For Corn multiply by 31 For Wine ,, For Ale 7, 60 8 9 1 Chain = 22 yards = 4 lugs = 100 links in length. (50 links = 33 feet). air, the barometer being at 30°, and the thermemeter at 10 Square chains, or 160 square lugs=1 acre=4840 sq. yds. An imperial gallon of distilled water weighs 10lb. avoirof square chains, or for square figs = 1 acre=4540 sq. yqs. 640 Acres = 1 square mile. N.B. The lug, rod, pole, and perch are alike = 16½ feet. 700 Grains = 1 b. avoirdupois. 5760 Grains = 1 b. Troy. 41 Ounces Troy = 45 ounces avoirdupois. dupois. An imperial gallon — 277-274 cubic inches. Corn bushel..... — 8 times the above. N.B. (A striked bushel : a heaped bushel : : 3 : 4). A cubic foot contains 6.232 gallons. The seconds' pendulum vibrating at Greenwich is 39 12929 inches in length. A chaldron of coals in London = 36 bushels, and weighs 3136 lb. avoirdupois, or nearly 1 ton, 8 cwt. $N2:602:39\cdot129:$ length (n = vibrations second). A CATALOGUE OF USEFUL THINGS. A ream of paper contains 20 quires. A quire of paper 24 sheets. A bale of paper, 10 reams. A roll of parchment or vellum, 5 dozen, or 60 skins. A dicker of hides, 10 skins. Ditto of gloves, 10 dozen pair. A last of hides, 20 dickers. A chaldron of coals. 36 bushels. 44 Square inches, a foot. 9 Square feet, a yard. 40 Square poles, a rood. 4 Square roods, an acre. 4840 Square yards, an acre. 640 Square acres, a mile. 1728 Solid inches a foot 1725 Solid feet, a yard. 27 Solid feet, a yard. 48 Solid feet of timber, a ton. 11 lb. avoirdupois is equal to 7000 grains, troy. 1 oz. avoirdupois is equal to 437 and a half grains, troy. 4 lb. avoirdupois is equal to 5 lb. troy nearly. A Solid of Deutero 56 lb. A chaldron of coals, 36 bushels. Standard gallon contains 10 lb. avoirdupois of distilled A hogshead of wine, 63 gallons. Ditto of beer, 54 gallons. A barrel of beer, 36 gallons. 4 lb. avoirdupois is equal to 5 lb. troy nearly. A firkin of butter, 56 lb. A pipe or butt is 120 gallons. A quintal or kintal, 1 cwt. A load of bricks, 500, and plain tiles, 1000. A stone of fish, 14 lb., and of wool, 14 lb. The same for horseman's weight, hay, iron, shot, &c. A stone of glass, 5 lb., and a seam of ditto, 24 stone A cade of red herrings, 500, and sprats, 1000. A load of timber unhewed, 40 feet. A procket of horse graces weight about 14 cwt. to 2 cwt. Ditto of ale, 32 gallons. A weigh of cheese, 236 lb. The hundred weight is 112 lb. Pence in a pound, 240. Farthings in a pound, 960. 8 Pints, dry or liquid measure, a gallon. 8 Gallons, a bushel of corn. 8 bushels of corn, a quarter. A pocket of hops, average weight about 1½ cwt. to 2 cwt. A bag of hops, nearly 3½ cwt. A ton contains 42 cubic feet. A last of corn or rape-seed, 10 quarters or 80 bushels. Ditto of Potashes, cod-fish, white herrings, meal, pitch, and tar, 12 barrels. Ditto of flax and feathers, 17 cwt.; of gunpowder, 24 bar-Beer or Ale, barrel.....imperial gallon 36 Ditto of fiax and feathers, 17 cwt.; of gunpowder, 24 barrels, or 2400 lbs; of wool, 4568 lbs. An ell English is 45 inches. Ditto Flemish, 27 inches. A tun of wine, 252 gallons; oil of Greenland, ditto. A ton in weight is 20 cwt. of iron, &c., but in lead there is but 19 cwt. and a half, called a fother, which is 2184 lb. A tod of wool is 28 pounds. A pack of ditto, 364 pounds. 5½ Yards, a pole. 40 poles in length, a furlong. 8 Furlongs in length, a mile. 1760 yards a mile. 1 Butt of Sherry..... gallon 130 truss..... lb. new, to Sep. 1 COMMERCIAL NUMBERS. 21a Quires l Printer's Ream. 2 Reams l Bundle. 10 Ditto...... l Bale. 12 Articles 1 Dozen. 80 Dealsl Quarter. 4 Quartersl Hundred. 18 Ditto 1 Long dozen. 24 Sheets of Paper ... 1 Quire. 20 Ditto 1 Ditto outsides. 12 Dozen1 Gross. Dozen skins of 20 Articles l Score. 25 Ditto 1 Printer's ditto. 5 Score 1 Common hundred. parchment .. l Roll. 6 Score 1 Great hundred. 20 Quiresl Ream 90 words in Chancery, 80 ditto in Exchequer, or 72 ditto in Common Law, one folio. Folio Books are the largest, of which 4 or 2 make 1 Quarto, or 4to 8 , 4 , 1 Octavo, or 8vo 16 , 16 , 8 , 1 Duodecimo, or 12mo 24 , 12 , 1 Octodecimo, or 18mo 36 , 18 , 1 Oranges, lemons, corks, and a few other articles are often sold by the gross; nails, tacks, &c., have six score to the hundred. A solid yard of well wrought clay will make 460 bricks. Thirty-two common bricks will cover a square yard. A common brick must not be more than 9 inches long, 42 inches wide, and 2½ inches thick. Plain tiles should be 10½ inches long, 6½ inches wide, and finch thick. An imperial gallon of seal or whale oil should weigh 91b.; spermaceti, 81b.; which test of quantity all consumers are recommended to employ, as many use the old Sheet lead is from 6 lb. to 10 lb. to the square foot. A pipe of an inch bore is commonly 13 lb. or 14 lb. to the yard in length. measure, which is 1-5th less. The log-line used in the navy is 48 feet long.

SIZES OF BRAWING PAPER.

Columbier.....

0 34

SUNDRY USEFUL TABLES AND STATISTICS.

VIEW OF THE VARIOUS CANALS IN SCOTLAND.

	Length in Miles.	Width at surf. in feet.	Depth.	Summit level.	No. of Locks.	Date of Act.	When completed.
Forth and Clyde	35	56	10	156	39	1768	1790
Monkland	12	35	6	113	10	1770	1
Crinan	9		12	62	15	1793	1801
Aberdeenshire	18 1	23	33	168	17	1796	1807
Caledonian	60 1	120	15	95	28	1803	1822
Glasgow, Paisley, and Ardrossan	11	28	41	level	none	1806	1811
Edinburgh and Glasgow Union	314	40	5	110	11	1817	1822

LENGTH OF RIVERS.

The numerous rivers of the earth may be divided into classes, according to their length. 1st class: The Amazon, of South America, is the first river in the world, considering its length and great size. It is 3300 miles long, 180 miles wide at its mouth, and is navigable 3000 miles for large ships. The Mississippi, of the United States, is an example of the first class of rivers, but is only navigable 900 miles for ships. 2d class: The Nile of Africa, and the Volga of Europe, are from 2000 to 3000 miles long, and are examples of the second class. The La Plata, of Paraguay, is of this class; it is 150 miles broad at its mouth, and is navigable 1000 miles for ships. 3d class: The Orinoco, of South America, is the largest of the third class; it is 30 miles wide at its mouth, and is navigable 700 miles. The Danube is an example in Europe.

PRINCIPAL RIVERS IN EUROPE.

										Length in Miles					
Volga	 ••	2040	Elbe		 	670	Douro				455	Severn			210
Danube	 	1800	Vistula		 	650	Seine				450	Tiber			210
Dnieper	 	1150	Loire		 	620	Po				410	Shannon			200
Don	 	1020	Oder		 	580	Ebro				400	Humber			160
												Tay			
												Forth			
Dniester	 	700	Guadian) В.	 	460	Thames	· .			210	Clvde			100

LENGTH OF BRIDGES.

Feet.) Feet.	Feet.
Trajan's Bridge, near Vidin,	Mentz, do. Germany 2100	
Bulgaria 10000	Wexford, wood 2080	
Nantes, succession of wooden	Zamora, Douro 1940	
bridges 9600	Alcantara, stone, Tagus 1920	Londonderry, wood 1068
Washington, Potomac 5300	Badajoz, do. Spain 1874	
Philadelphia, Delaware 5000	Saumur, stone, France 1730	
Kiow, wood, Russia 4800	Avignon, Rhone, do 1710	
Boston, do. United States 3483	Bourdeaux, stone, Garonne 1620	Blackfriars, stone 995
Strasburgh, do. France 3390	Manheim, stone, Germany 1650	
Pont St. Esprit, do 3060	Presburg, boats, Hungary 1650	Vauxhall, iron 860
Buda, boats, Hungary 3050	Lyons, stone, France 1560	Berwick, chain 804
Thorn, wood, Prussia 3000	Rouen, boats, do 1550	
Riga, do. Russia 2600	Boston, United States 1503	Span of Menai Cen. Ch. Br. 560
Washington, east, br 2500	Salem, do 1500	Span of Berwick do 437
Belfast, wood, Ireland 2500	Warsaw, weod 1500	Central Arch of Meissen bridge,
Dresden, stone 2480	Lintz, wood, Austria 1470	Saxony 375
Wittenburg, Prus. Sax 2450	Francfort 1460	
Cologne, boats 2330		
Seville, do. Spain 2310	Limerick, Shannon 1340	
Tortosa, do. do 2290		
والمرابع والمراجع والم والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراج		

THE ROYAL NAVY, J.	ANUAR	Y, 1848	3.	
	In commission.	In Ordi- nary.	Building.	Total.
First Class 120 to 104 Guns	8 6 9	13 15 35	11 —	25 32 44
First Class . 50 Guns	6 11	10 46	3 6	19 63
26 to 24 Guns	16 51 50 67	5 16 28 21	5 10 6 16	26 77 84 104
Receiving Ships, Dock Yard Craft, Convict Ships, &c	224	189	61	474 196
Total Number of Ships belonging to the Royal Navy	, ,			670
", Boys voted	EMPLOYE Actu	ED IN THe ally borne	7 Vessel: 6 ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	L NAVY 32,084 2,000 9,971 44,005 64,618,917
Non-effective, Half-pay, Superannuations, &c	·	•••••	•••••	1,390,958 729,443
Navy Estimates for 1642-1645. DOCKS.		*********	••••••	· · · · · · · · · · · · · · · · · · ·
No. of Amou	int of Pai		apital	Dividend
Commercial	ck £ ck ck	s, £8,1 2,6 3,5 1,5 1,5	aid up. 34,000 33,300 33,334 03,800 00,000 025,717 68,324 552,752 500,000 00,000 00,000 00,000 50,000	per cent. 68 0 0 5 0 0 8 5 0 4 0 0 3 10 0 5 0 0 4 10 0 4 10 0 4 0 0 4 0 0

STATEMENT

OF THE SHIPPING EMPLOYED IN THE TRADE OF THE UNITED KINGDOM, WITH EACH FOREIGN COUNTRY AND BRITISH POSSESSION, AT THE SEVERAL PERIODS UNDERMENTIONED, FROM 1800 TO 1841, &c.

TOTAL TRADE WITH ALL COUNTRIES.

			INV	VARDS.			OUTWARDS.								
Yrs.	BRITISH.		ITISH. FOREIGN.		т	TOTAL.		BRITISH.		EIGN.	TOTAL.				
	Ships.	Tons.	Ships.	Tons.	Ships.	Tons.	Ships.	Tons.	Ships.	Tons.	Ships.	Tons.			
	8,571 10,467	1,205,567 1,346,990		704,697 1,070,080		1,910,264 2,417,070						1,924,042 2,443,231			
1830	13,548	2,270,400 2,180,042 2,367,322	5,359	408,401 758,828 874,605	18,907	2,938,870	12,747	2,207,663 2,102,147 2,300,731	5,153	390,991 758,368	20,916 17,905	2,598,654 2,860,515 3,196,782			
1832 1833	13,372 13,119	2,185,980 2,183,814 2,298,263	4,546 5,505	762,085	18,624	2,825,959 2,945,899	13,292 13,266	2,229,269	4,391 5,250	651,223 758,601	17,688 18,516	2,880,492 3,002,875 3,149,152			
1835 1836	14,295 14,347	2,442,784 2,505,473	6,005 7,131	866,990 988,899	20,300 $21,478$	3,309,724 3,494,372	13,948 14,207	2,419,941 2,531,577 2,547,227	6,047 7,048	905,270 1,035,120	19,995 21,255	3,325,211 2,566,697			
1838 1839	16,119 17,635		8,679 10,326	1,211,666 1,331,365	24,798 27,961	3,997,053 4,433,015	15,907 17,066	2,876,236 3,096,611	8,520 10,698	1,222,803 1,398,096	24,427 $27,764$				
				1,460,294 1,291,165							28,073 $28,250$	4,781,872 4,766,171			

SHIPPING.

AN ACCOUNT OF THE COMPARATIVE NUMBER OF VESSELS WHICH ENTERED INWARDS AND CLEARED OUTWARDS, WITH CARGOES, AT THE SEVERAL PORTS OF THE UNITED KINGDOM, IN THE YEARS ENDING JANUARY 5th, 1842 AND 1843.

FOREIGN TRADE.

Entered Inward	ls in 1842	********			********		
**	1843	********	19,675			3,655,606	
Decrease			2,183	Ships		326,523	Tons.
Cleared Outwar	rds in 1842				*********		
	1843	*** *****	21,403	"	*********	3,691,664	"
Increase			542	Ships		148,208	Tons.

BRIDGES.

	Number of Shares.	Amount of Share.	Paid up per Share		Dividend per cent.
Hammersmith	1,600	£50 0 0	£	£80,000	£1 0 0
Southwark, with new Subscription	7,231	63 2 8		456,517	
Ditto New of 71 per cent	1,700	50 0 0		85,000	1 10 0
Waterloo	5,000	100 0 0		506,000	
Ditto Old Annuities of £8	5,000		60	300,000	1 4 0
Ditto New Annuities of £7	5,000		40	200,000	1 1 0
Ditto Bonds				60,000	5 0 0
Vauxhall	5,848	70 10 3		412,357	1 7 0
Hungerford and Lambeth Suspension	3,200	25 0 0	13	30,000	1 12 0

CANALS in 1842.

The Amounts marked thus (*) denote the Average Amount paid on the several Shares.

			1	Number of Shares.	Amount of Share.	CAPITAL.	Ann. per cer
			- 1	0.00	£ s. d.	£ s. d.	£ 8. d
Ashton and Oldham				1,766	97 18 0	186,326 0 0	6 0 0
Ashby-de-la-Zouch	**			1,482	113 0 0	167,466 0 0	4 0 0
Barnsley				720	160 0 0	115,200 0 0	14 0 0
Basingstoke				1,260	100 0 0	126,000 0 0	
Brecknock and Abergavenny				1,005	160 0 0	150,750 0 0	5 10 0
Birmingham, 1-16th share				8,000	79 15 0	638,000 0 0	10 0 0
Ditto and Liverpool Junction				4,000	100 0 0	400,000 0 0	
Chelmer and Blackwater			3.1	400	100 0 0	40,000 0 0	5 0 0
				500	100 0 0	90,000 0 0	20 0 0
a			3.1	460	100 0 0	46,000 0 0	24 0 (
		**		2,060	100 0 0	206,075 0 0	5 0
Dudley	**			600	150 0 0	90,000 0 0	9 0
Derby	••				G G G G G G G G G G G G G G G G G G G	221222	
Danube and Mayne				20,000			
Ellesmere and Chester			**	3,575	*133 0 0	475,574 15 0	4 0 (
Erewash				231	100 0 0	23,100 0 0	62 0
Forth and Clyde			**	6,485	*100 0 0	648,500 0 0	8 15
Grand Junction				11,600	100 0 0	1,160,000 0 0	7 0
Grand Union				2,849	100 0 0	284,950 0 0	1 15
Grand Surrey				1,500	100 0 0	150,000 0 0	
Grand Western				3,096	100 0 0	309,600 0 0	
Glamorganshire				600	*172 13 4	103,600 0 0	13 12 8
Gloucester and Berkeley				5,000	100 0 0	500,000 0 0	
Grantham			- 0	749	150 0 0	112,350 0 0	12 0
				6,238	*57 6 6	357,593 7 0	2 0
				25,328	*39 18 10	1,011,642 10 8	1 10
Kennet and Avon				11,000	*47 6 8		1 10
Lancaster	**			11,699	47		
Leeds and Liverpool				2,883	200	422,136 0 0	34 0
Leicester				545	140 0 0	76,150 0 0	11 0 0
Leicester and Northampton				19,107	*83 10 0	167,167 0 0	2 10 (
Loughborough				70	*142 17 0	9,999 10 0	84 0 (
Monmouthshire				2,409	100 0 0	240,900 0 0	10 0 (
Montgomeryshire				700	100 0 0	70,000 0 0	4 10 (
Melton Mowbray				250	100 0 0	25,000 0 0	10 0 (
Mersey and Irwell	0.			500	200	50,000 0 0	25 0 (
Macclesfield				2,814	100 0 0	350,000 0 0	1 10 (
Neath				247	100 0 0	24,700 0 0	20 0 0
Oxford				1,786	100 0 0	178,600 0 0	30 0 0
Peak Forest				2,400	*78 0 0	263,652 0 0	4 0
Regent's (or London)				21,418	*33 16 8	724 642 0 0	0 5
		**	- 1	5,669	*85 0 0	481,865 0 0	5 0 0
		**	**	500	125 0 0	62,500 0 0	8 0 0
Shropshire		**			775		
Somerset Coal				800	B		
Ditto Lock Fund Stock				3,600	12 10 0	45,000 0 0	6 0 (
Stafford and Worcester			•••	700	100 0 0	70,000 0 0	36 0 (
Shrewsbury			**	500	125 0 0	62,500 0 0	15 0
Stourbridge				300	145 0 0	43,500 0 0	20 0
Stratford-on-Avon				3,611	*79 9 8	332,014 0 0	2 0
Stroudwater	**			200	150 0 0	30,000 0 0	26 0
Swansea				533	100 0 0	53,300 0 0	15 0
Severn and Wye and Railway				3,762	*26 9 3	99,551 18 6	2 12
Thames and Severn, Black				1,300	100 0 0	130,000 0 0	2 0
Red				1,150	100 0 0	115,000 0 0	2 0
Trent and Mersey, quarter shar				2,600	50 0 0	180,012 10 0	32 10
		•••		8,001	*19 5 8	285,439 17 8	02 10
		**			*100 0 0	The state of the s	14 10
				2,0001		00,000 0 0	
Warwick and Napton			× -	980	100 0 0	98,000 0 0	10 0
Worcester and Birmingham				6,000	*78 8 0	470,400 0 0	4 0
Wilts and Berks				5,000	*67 10 8	337,666 13 4	1 16
Wisbeach				126	105 6 0	13,230 0 0	
Wey and Armi				905	110 0 0	99,550 0 0	1 0

Total, 59 Canals, in which is embarked Capital amounting to £14,362,445.—Producing annually £974,829, or, on an average of the whole, $6\frac{9}{2}$ per cent.

There is also about £3,500,000 expended in Branches and Feeders.

A LIST,

SHEWING THE RATES FOR CARRIAGE OF GOODS ON THE TWENTY PRINCIPAL LINES OF RAILWAY, AS CHARGED TO THE PUBLIC BY THE RESPECTIVE COMPANIES, IN THE CAPACITY OF CARRIERS ON THEIR OWN LINES, AND AS CHARGED BY "RAILWAY AND CANAL CARRIERS," OR OTHER INTERVENING PARTIES. BY B. POOLE, ESQ., 1844.

To the Public.* To the Public.* To the Public.*	_							_				
112	LENGTH	Name of Railway Companies.	Conveying Goods between	Goods forwarded by			CHA	Re	3ED		- 1	Cartage.
22 North Union		2 London and Birmingham 8 Grand Junction 8 South Eastern 7 South Western 1 North Midland 1 Newcastle and Carlisle. 3 Birmingham and Gloucester. 2 London and Brighton 1 Eastern Counties 6 Edinburgh and Glasgow 5 Great North of England 2 Birmingham and Derby 1 Liverpool and Manchester 1 Manchester and Birmingham 2 Glasgow and Greenock North Union 1 Lancaster and Preston. Preston and Wyre.	London and Birmingham Liverpool and Birmingham London and Dover London and Southampton Derby and Leeds Newcastle and Carliale. Manchester and Leeds. Birmingham and Gloucester. London and Brighton London and Colchester Edinburgh and Glasgow York and Darlington Birmingham and Derby Liverpool and Manchester Manchester and Crewe. Glasgow and Greenock Preston and Parkside Lancaster and Preston.	Intervening Parties . The Company . Intervening Parties . The Company . Intervening Parties . The Company . Intervening Parties . The Company Ditto .	000000000000000000000000000000000000000	18 10 15 17 19 5 10 0 6 8 10 5 15 17 19 5 10 0 0 6 8 10 15 15 15 15 15 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	00060000600066000	to ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,	3 2 2 1 2 1 1 1 0 0 0 0 0 0	10 0 10 8 10 5 0 10 5 10 17 10 15 14 10 10 10 10 10 10 10 10 10 10 10 10 10	000600000000000000000000000000000000000	Inclusive Inclusive Exclusive Exclusive Inclusive

*The minimum, as for Grain, Iron, Timber, &c., and the maximum, as for Light Goods in general.

RECAPITULATION.

Thirteen Railway Companies carrying Goods.	Miles.	aver	At an age er To	Rate	Seven Railways having other Carriers thereon.	Miles.	aver	t ar age	Rate
Great Western*. South Western* Grand Junction Newcastle and Carlisle. Birmingham and Gloucester London and Brighton*. Eastern Counties*. Edinburgh and Glasgow.	118 77 98 61 53 52 51 46	1 1 1 0 0 0 1	10 3 7 17 18 16 0	d. 6 9 6 0 9	London and Birmingham South Eastern North Midland Manchester and Leeds. Great North of England. North Union Lancaster and Preston	60 45 22 20	2 1 1 1 1 1	8. 10 13 17 10 2 0 0	d. 0 9 6 0 6
Birmingham and Derby	42	Ö	10	6		419	10	13	9
Liverpool and Manchester Manchester and Birmingham	31 31	0	10 8	9	Thus the Public are charged at an avera	ve rate of	acarce	1 v 4d	ner
Glasgow and Greenock	22	ŏ	7	ŏ	ton per mile by Railway Carrying Com	Danies: v	vhilat	thev	are
Preston and Wyre	20	0	4	2	charged upwards of 6d. per ton per mile and Canal Carriers, or equal to 34 per cent	. extra, wh	canec	eithe:	r be-

Thus the Public are charged at an average rate of scarcely 4d, per ton per mile by Railway Carrying Companies; whilst they are charged upwards of 6d, per ton per mile by the so called Railway and Canal Carriers, or equal to 34 per cent. extra, which neither benefits the Railway Proprietors nor the Public, but finds its way into the pockets of these intervening parties.

LIVERPOOL INLAND CARRYING TRADE, DURING 1843.

702

10 5 11

Preston and Wyre..... * Add 5s. per ton cartage on these

lines.

	Carriers.	Using Cranes.	Loading Flats,&c per Week.	Average Tons Each.	Tons Annually.
Duke's Dock	20	49	273	25	354,900
Anderton Basin	l i	2	12	25	15,600
Railway Termini	8	50			252,876
Small River Craft Dock	7	6	35	40	72,800
Harrington Dock and Bagin	2	5	22	40	45,760
Egerton Dock	1	4	12	40	24,960
Old Quay Dock	4	20	84	25	109,200
South West corner of George's Dock	7	13	44	40	222,560
Transhipped in Docks by the Anderton Co., Trustees of the Duke of Bridgewater, Ellesmere & Chester Canal Co., and others.			84	30	110,000
Clay Flints, Earthenware, Iron, &c. &c		• • • • •			10.400
Sundry small Carriers by Waggons, Carts, &c	20	•;			10,400
Leeds and Liverpool Canal	9	13	••••	••••	156,000
•	75				1,375,056

LIVERPOOL INLAND CARRYING TRADE,

YEAR ENDING 31st. DECEMBER, 1843.

Received into Liverpool from the Country.	Tons.	Forwarded from Liverpool into the Country.	Tons.
Iron of all sorts Nails and Hardware Earthenware Timber (round) Machinery. Castings Lead and Metals Ale (from Burton) Malt, Flour, and Grain Stourbridge Bricks Tin Plates Quicksilver, &c. &c Sugar, Tobacco, Coffee, &c Flint and Crown Glass Cotton Twist and Yarn Bales and Cases—Cottons, Woollens, Silks, } Threads, and General Merchandize Fruit (ripe) and Vegetables. Flags, from Yorkshire, &c. Indigo, Cochineal, Tea, Wines, Spirits, Cowries, &c., from London for exportation } Sundries too numerous to analyze.	12,000 15,000 4,000 6,000 5,000 8,000 6,000 1,000	Cotton of all sorts Grain, Flour, &c. Timber, Deals, &c. Clay, Flints, &c. Iron Ore at Runcorn Dyewoods. Drysalteries Paim Oil, Tallow, Rosin, &c. Brimstone Wool Sugar and Moiasses Butter, Provisions, &c. Lead and Foreign Iron Porter Irish, &c. Fish and Eggs Bales and Cases—Linens, Cottons, Irish and Scotch Goods, and General Merchandize. Tea and Coffee Wines and Spirits Sundries. Imports Exports	20,000 15,000 20,000 16,000 8,000 15,000 20,000 6,000 4,000
	542,000	Total	1,378,000

SALT EXPORTED FROM LIVERPOOL,

YEAR ENDING 31st. DECEMBER, 1843

		TONS.	
To the Baltic, namely— Denmark Norway and Sweden Russia Prussia Prussia Mecklenburgh Lubec, Hamburgh, &c.	6,475\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	80 ann	Exported in 1842.
To HollandBelgium	9,576 17,164§	90,3994	81,545
To United States	130,528 2 37,0554	26,7404	47,313
To Africa	10,3154	167,584‡	*118,9194
To Other Foreign Ports of the World England Ireland Scotland	46,954 70,7894 44,8634	10,3154 2,7482	7,961 <u>1</u> 3,996
To Isles of Jersey, Guernsey, and Man		162,607 2,444 1	124,496
Total		462,840	384,2311
93,887 United States. 25,0324 Canadas.			
*118,919 1			

RULE FOR ASCERTAINING THE WEIGHT OF CATTLE.

Measure the girt close behind the shoulder, and the length from the fore part of the shoulder-blade along the back to the bone at the tail, which is in a verticle line with the buttock, both in feet. Multiply the square of the girt, expressed in feet, by five times the length, and divide the product by 21; the quotient is the weight, nearly, of the four quarters in imperial stones of 14lbs. avoirdupois. For example, if the girt be $6\frac{1}{2}$ tent, and the length $\frac{1}{2}$ feet, we shall have $6\frac{1}{2} \times 6\frac{1}{2} = 42\frac{1}{2}$, and $5\frac{1}{2} \times 5 = 26\frac{1}{2}$; then $42\frac{1}{2} \times 26\frac{1}{2} = 1109$ l.16th, and this divided by 21, gives 54 4.5th stones nearly, or 52 stones 11lbs. It is to be observed, however, that in very fat cattle the four quarters will be about one-twentieth less, than the weight obtained by the rule. The four quarters are little more than half the weight of the living animal; the skin weighing about the eighteenth part, and the tallow about the twelfth part of the whole.

SHEEP AND LAMB'S WOOL

IMPORTED INTO THE UNITED KINGDOM IN 1843 .- (Parl. Pap. 1844.)

		LBS.	The second secon	LBS.		LBS.
From	Russia	3,511,916	From Turkey (includ. Syri	a) 508,205	From Texas	148
	Norway	10,867	Morocco	. 81,788	Mexico	2.004
	Denmark	645,555		. 1,728,453	Columbia	31
	Prussia	132,317		. 8,871	Brazil	28,152
	Germany	16,805,448	Mauritius	. 37,983	States of the Rio de 1	1,879,653
	Holland	53,710	East Ind. Co.'s Ter	t. 1.916,129	la Plata	1,879,008
	Belgium					112,541
	France		Van Diemen's Land			1,115,192
	Portugal	475,423	Swan River Settleme	nt 110,621	2.942.0000.0000.000	
	Spain	597,091	South Australia	. 1,387,514	Total pounds 4	17,785,061
	Gibraltar	5,663	Brit. N. Amer. Colo			
	Italy		British West Indies	. 12.807	Llama, or alpaca wool Ibs.	1.458,032
	Malta	20,723	United S. of America	. 136,608	Mohair, or goats wool	575,528

By Act of Victoria 7 and 8, chap. 16, the duties on importation of sheep or lamb's wool, and goat's wool, or hair; also on the exportation of wools and skins; mattresses or beds stuffed with combed wool, or wool fit for combing, are

QUANTITIES OF WOOL

Imported into the United Kingdom, from all parts. (Parl. Pap. 1844.

Years,	Produce of British Possessions. LBS.	Produce of Foreign Countries. LBS.	Total.
1816	29,563	7,487,313	7,516,876
1822	198,815	18,859,265	19,058,080
1828	1,603,819	28,632,240	30,236,059
1834	3,770,985	42,684,247	46,455,232
1835	4,702,356	87,472,176	42,174,532
1836	6,422,484	57,817,493	64,239,977
1837	9,429,762	38,949,946	48,379,708
1838	10,167,482	42,426,873	52,594,355
1839	12,872,421	44,507,502	57,379,923
1840	12,850,762	36,585,522	49,436,284
1841	16,328,714	39,842,260	56,170,974
1842	18,467,212	27,414,427	45,881,639
1843	21,132,352	28,110,741	49,243,093

BRITISH WOOL,

Exported from the United Kingdom, in Ibs. (Parl. Paper, 1844.

1826	143,130	1838	5,851,340
1828	1,669,389	1840	4,810,387
1830	3,494,275	1841	8,471,235
1832	4,199,825	1842	8,578,691
1834	2,278,721	1843	8,179,639
1836	3,942,407	16.7.5.2.2.2.2.4	3.00

SALT MEAT,

Imported in the Half Year ending January 5th, 1844.

	(Par	1. Paper.		
	cwr.	Retained for Home Consump. CWT.	Exported.	Taken for Ship's Stores. CWT.
Salted Beef Salted Pork Hams (various) Bacon	35,219 10,023 2,560 598	1,442 3,175 1,574 568	3,201 13,556 617 16	19,642 8,825 729 0

AN ACCOUNT OF THE DUTY ON HOPS

Of the Growth of the year 1844, distinguishing the districts,

and the old from the new dut	у.		
Old Duty at 1d. 12-20ths per lb 140,322	5.	D.	10 004
Old Duty at 1d. 12-20ths per 10140,522	1/	20	12-20ths.
New Duty at 38-420ths per lb 103,716	17	114	8-20ths.
Additional Duty of 5 per cent., per			
act 3 Victoria, s. 17	0	03	

Districts.	DO.	LX.	
	£	8.	D.
Canterbury	38,637	15	6
Essex	821	7	54
Hants	11,083	8	111
Hereford	25,142	3	
Hertford	562	16	61
I. of Wight	. 7,296	17	8

1	DISTRICTS.	DU	rv.	
١		£	8.	D.
1	Lincoln	1,086	7	10
1	Rochester 1	13,960	18	0
1	Stourbridge	1,327	3	53
	Suffolk	615	12	34
1	Sussex	49,857	5	24
	Worcester	5,265	17	11

CHEESE,

Impor	Le	•	и	11	K	,				B				ı	•			•	11	gtmrtee	
YEAR.								•												CWTS.	
1831		4			ı		ı	ı	٠	÷			٠			¢		ı		134,459	
1832																				133,446	
1833								C	1		0			i		ì			į.	134,073	
1834				i				ĺ.	Û	Ĩ.	٠	Ī.	1	Ĩ.	ĺ	ì		Ĵ		146,594	
1835		ĺ.	ĺ.	0	1	C	1	1	3	0	9	Ì	Ē	Ì	Ĭ	Ì	Ì	9	Ī	140,852	
1836										-									j	211,169	
1837																				237,732	
1838																				227,877	
1839																				210,436	
1840																				226,462	
1841																				270,149	
1842																					
1843																				179,389	

AREA OF OCEANS AND LAKES.

1

OCEANS.	
Atlantic	25,000,000
Antarctic	30,000,000
Arctic	8,400
Pacific	50,000,000
Indian	17,000,000
Mediterranean	1,600,600
Caspian Sea	160,000
Black Sea	
Baltic	
the state of the s	LD 21 2 2 2 1 2 2 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 2 2 2 1 1 1 1 2

The ocean, with all its inland bays and seas, covers an area of nearly 147,500,000 square miles, or about \$\frac{1}{2}\$ of the surface of the globe. Supposing its mean depth to be about two miles, its cubic contents will be nearly 300,000 cubic miles.

												5	QI	JAR	E
LAKE	35.											M	11	ES	
Lake :	Superior							·				.4	10	.000)
1	Huron											. 5	25	000)
	Michigan														
1	Erie					ĺ.					į	ũ	1	.000)
	Ontario														
	Ladoga														
	Onega														
	Wena														
	Geneva													336	
(Constanc	e										ï		290)
(Garda		٠.	į.		į.								180)
1	Maggiore	e.	٠.			í								150)
1	Neufcha	te	1.	í.		Ĭ,		ũ	Ĺ	ì				11:	
1	Lucerne				i					ĺ				100	

LENGTH OF MILES, ETC., IN DIFFERENT COUNTRIES.

An English statute mile contains 1760 yards, or 8 furlongs.—A Russian verst is a little more than \$\frac{3}{2}\$ of a mile English.—A Scotch and Irish mile is about \$\frac{3}{2}\$ English.—A Spanish and Polish mile is about \$\frac{3}{2}\$ English.—A German mile is more than 4 English.—A Swedish, Danish, and Hungarian mile is from 5 to 6 English.—A French common league is nearly three English.—An English marine league is three English miles.—The Arabian mile is 2148 English yards.—The China Li is 632 yards.—The Flanders league is 6864 yards.—The French kilometre is 1093 yards.—The French metre is 393 English inches.—The Dutch mile is 8101 yards.—The Persian parasang is 6086 yards.—The Roman mile is 1628 yards.—The Turkish berri is 1826 yards.

WEIGHT IN TONS PER ANNUM,

IN AND OUT OF THE STAFFORDSHIRE POTTERIES.

FROM LIVERPOOL. Clay and Stone @ Devonshire, Dorsetshire, and Cornwall, &c	70,000 30,000 4,000 9,000	TO LIVERPOOL. Earthenware, and China for Exportation and Home, 154,000 Crates, &c	TONS. 51,000 10,000 61,000
Grain Groceries Provisions Wines, Spirits, Ale, and Porter Miscellaneous	7,000 6,500 1,500 800 1,000	Earthenware and China for consumption there, and counties York, &c	3,500 30,000 25,000 1,000
FROM SOUTH STAFFORDSHIRE. Iron	7,000 60 1,200	TO SOUTH STAFFORDSHIRE. From Stone, about	59,500 15,000
FROM LONDON. Mercery, Haberdashery, &c. from London and the West	500 1,500 500 1,000	TO BIRMINGHAM AND THE WEST OF ENGLAND. Earthenware and China TO LONDON AND THE SOUTH OF ENGL	6,000 AND.
FROM MANCHESTER. Cotton, Silk, and Woollen Goods Window Glass and Lead Malt, &c. Miscellaneous from the North.	3,500 1,200 300 500 500	Earthenware, China, &c	12,000 80,000 42,000
Making Total into the Potteries from all quart 145,610 Tons.	2,500 ters,	Making Total out of the Potteries to all quarter 183,000 Tons.	rs,

ABBREVIATED RULES.

TO FIND THE VALUE OF A DOZEN ARTICLES. TO FIND THE VALUE OF A DOZEN ARTICLES.

Take the price in pence as shillings, and if there are any farthings in the price, add threepence for each.

EXAMPLE.—I dozen yards, at 2s. 8d. per yard.

2s. 8d. = 32d., which taken as shillings, is £1 12s. 0d.

TO FIND THE VALUE OF SEVERAL DOZENS. Multiply the value of one dozen by the number of dozens. Ex.—5 dozen at 2s. 8d. is 5 × £1 12s. — £8.

TO FIND THE VALUE OF 100 ARTICLES. For every farthing take as many pence and twice as many shillings. Ex.-100 at 11d.

. As many pence (5) + twice as many shillings (10) = 10s. 5d.

TO FIND THE VALUE OF A POUND AT ANY PRICE PER OUNCE.

Take the price in farthings as shillings, and divide by three. Ex.—1 lb. of Tee, at $5\frac{1}{4}$ per oz. $5\frac{1}{4}$ d. is 21 farthings; taken as shillings, $21 \div 3 = 7$ s.

TO FIND THE VALUE OF AN OUNCE AT ANY PRICE

PER POUND.

Take the shillings as farthings, and multiply by three.

Ex.—At 6s. $6 \times 3 = 18$; 18 farthings are 4dd.

TO FIND THE VALUE OF A CWT. AT ANY NUMBER OF

PENCE PER POUND.

Multiply 9s. 4d. by the number of pence.

Ex.—At 7d. 9s. 4d. × 7 = £3 5s. 4d.

TO FIND THE VALUE OF A TON. Find for a cwt. as above; take the shillings as pounds; for 4d. over, add 6s. 8d.; for 8d. over, add 13s. 4d.

Ex.—65s. as & + 6s. 8d. for the 4d. — £65 6s. 8d.

TO FIND THE VALUE OF A POUND, AT PER CWT. Multiply the price in shillings by 3, and divide by 7, and you have the value of a pound in farthings. Ex.—At 28s. $28 \times 3 = 84$; $84 \div$ by 7 = 12f. or 3d.

TO FIND THE RATE PER ANNUM, AT ANY NUMBER OF

PENCE PER DAY.

To the number of pence add one half, which sum will be pounds, to this add 5 times the sum given, for the total amount.

Ex.—At 2s. 6d. 30 + 15 - £45; and 2s. 6d. × 5 = 12s. 6d., gives £45 12s. 6d. per annum.

FOR CALCULATING INTEREST AT FIVE PER CENT.
Multiply the pounds by the days, and divide the product by 365. The quotient gives the interest at 5 per cent.
in shillings.

Ex.—What is the interest of £55 for 78 days?
55 × 78 = 4015; 4015 ÷ 365 = 11s.

TO FIND THE INTEREST OF ANY SUM OF MONEY FOR ANY

TIME, AT ANY SUM OF MONRY FOR ANY
TIME, AT ANY RATE PER CENT.
Multiply by double the rate per cent., reject the unit
figure, and the product will be the interest in shillings for
one year at the required rate per cent
Ex.—What is the interest of £853 10s. for 4 years and

8 months, at 5 per cent. per annum. £853 10s.

10 halves 853s. 6d. = £42 13 6 Interest for 1 yr.

853 | 5 12 6 ms | 170 14 21 6 7 2 6 | 0 Answer 199 8

STATEMENT OF MERCHANDISE

ARRIVED AT AND SENT FROM MANCHESTER BY THE LIVERPOOL AND MANCHESTER RAIL-WAY COMPANY, FROM THE 16TH JANUARY TO 28TH FEBRUARY, 1838, INCLUSIVE. ALSO, A STATEMENT OF THE DELIVERIES FROM THE WAREHOUSES DURING THE SAME TIME.

DUSABINITAN AN GAADA	40.00		WEIGHT.		
DESCRIPTION OF GOODS.	No. of Waggons.	No. of Packages.	Tons.	Cwt	Qr.
FROM LIVERPOOL AND VARIOUS PARTS OF THE LINE, INCLUDING BIRMINGHAM. Groceries, &c Cotton and Wool Corn, Flour, and Grain. Timber, &c.		79,583 69,786 46,385 14,862	7,592 10,569 5,205 483	2 2 6 14	3 3 0 3
TOTAL	7,858	210,616	23,850	6	1
Groceries, &c		2,065 1,836 1,221 365	199 279 136 12	5 3 9 14	2 3 0 2
TOTAL	207	5,545	627	12	3
TO LIVERPOOL AND VARIOUS PARTS OF THE LINE, INCLUDING BIRMINGHAM. TOTAL	3,214	63,255	9,266	15	2
Average each Day	85	1,665	241	1	1
Total to and from Liverpool, &c	11,072	273,871	33,117	2	1
Average each Day	286	7,207	871	10	0
Live Stock not included in the above, say 12,660 Head; weight, 1,296 Tons, making a grand Total of		286,531	34,413	2	1
DELIVERIES FROM THE CO.'S WAREHOUSES.	COUNTI	RY & MER	CHANTS	TEA	MS.
DELIVERIES FROM THE CO.'S WAREHOUSES.	No. of Te	ams Places	of Dely. No	o.of Pa	ickg
TOTAL	10,723	11,9	20	146,2	57
Average each Day	282		314	8,8	49
	RA	ILWAY C	O.'S TEA	MS.	
TOTAL	2,349	7,5	20	46,75	4
Average each Day	62	1	98	1,23	30
Total of Country, Merchants', and Railway Teams	13,072	19,4	40	193,01	1
Average each Day	344	5	12	5,08	30

It should be remarked that during the above period there was a severe frost, and the canals were stopped, which caused a considerable increase of merchandise on the railway.

THE FOLLOWING WERE THE RATES OF CARRIAGE FOR GRAIN IN 1837, BETWEEN MANCHESTER AND LINCOLNSHIRE.

	Present actual Cost, per Ton, of the carriage of Grain by the existing Water Convey- ances.	Cost per Ton of Grain, if car- ried by the South Union and other Railways as far as they extend, and up to that point by the existing Water Con- veyances where required.	ried to Sheffield and othe Railways as far as they er tend, and up to that point b	
Newark and Manchester	34s. 3d. 28s. 6d. 20s. 6d.	24s. 7åd. 27s. 7åd. 28s. 7åd. 33s. 1åd. 28s. 7åd. 20s. 7åd. 17s. 6d.	30s. 6d. 29s. 25s. 6d. 34s. 35s. 10d. 27s. 10d. 28s.	

IMPORTS OF RAW PRODUCE.

COUNTRIES FROM WHICH THE PRINCIPAL ARTICLES OF RAW PRODUCE USED BY OUR MANUFACTURERS WERE IMPORTED IN 1840.

	Cotton.	Wool.	Flax.	Silk.
	lbs.	lbs.	cwts.	lbs.
America, United States	487.856.504	115.095	1	70.510
Brazil	14,779,171	9,532		
British Settlements in Australia		9,721,243		
West Indies	866,157	3,286		
Chili		989,790		
China				247.755
Columbia	1.818.940	842		15
East India Company's Territories and Ceylon	77.011,839	2,441,370		1,108,465
Egypt	6,387,109		12	1,100,100
France	*****		43,295	1.584.980
Germany		21.812.664		369
Holland			113,108	204,060
Italy and the Italian Islands	627,452	1,668,541	746	500,834
Peru		2,770,379		******
Prussia			135.590	
Russia		4.517.998	870,401	
Turkey			107	725.189
All other Countries	3,140,838	5,385,544	89,980	17,784
	592,488,010	49,436,284	1,253,240	4,459,542

EXPORTS OF RAW PRODUCE.

COUNTRIES TO WHICH THE ABOVE-NAMED ARTICLES WERE RE-EXPORTED IN 1840.

	Cotton.	Wo	ol.	Flax.	Silk.
	_	Foreign.	British.		
	lbs.	lbs.	lbs.	cwts.	lbs.
America, United States of	1 004 500	169,437	504	• • • • • •	4,222
Belgium France	4,984,589	558,297 180,566	4,108,316 664,669	• • • • • •	3,883
Germany	11,870,137	1	551	•••••	98,420 1,599
Holland	7.362.977	88,533	33,465		24,003
Italy and the Italian Islands					1,182
Mexico				*****	10,640
Russia	5,760,991				60
All other Countries	2,034,968	17,792	2,782	• • • • • •	8,110
	38,673,229	1,014,625	4,810,887	none.	147,119

CATTLE.

AN ACCOUNT OF THE NUMBER OF CATTLE AND SHEEP SOLD IN SMITHFIELD MARKET, IN EACH YEAR FROM 1833 TO 1842.

,	YEARS,		Cattle.	Sheep.
	1833		152,093	1,167,820
	1834		162,485	1,237,360
	1835		170,325	1,381,540
	1836		164,351	1,219,510
	1837		172,435	1,329,010
	1838		183,362	1,403,400
	1839	33333	180,780	1,360,250
	1840		171,092	1,326,020
	1841		164,195	1,293,530
	1842		171,964	1,423,280

STATEMENT OF THE NUMBER AND VALUE OF LIVE STOCK EXPORTED FROM DUBLIN TO LIVERPOOL AND COASTWAYS, IN THE YEAR 1889.

Description.	Number 1	Exported.	Total Value.
	To Liverpool	Coastways.	
Black Cattle Calves Sheep Lambs Pigs Horses Mules	164,897 1,448 193,360 27,812 384,850 5,644 214	4,995 78 58,717 540 5,711 80 220	8,830,857

BRITISH	MINI		MPAN		
The second	Number of Shares.	Amount of Share.	Capital.	Amount paid up or expended	Paid up per Share.
bionCopper	8,000	£5 0	£40,000	28,000	£3 10
nglesey	500		20,000	2,500	5 0
issoe Bridge	4,000	5 0	20,000	20,000	5 0
lenavon Iron and Coal	8,000	50 0	400,000	360,000	45 0
orringdon Park	5,000	20 0	100,000	7,500	1 10
ritish Copper	6,000	5 0	30,000	24,000	4 0
ritish Iron	20,000	60 0	1,200,000	1,200,000	60 0
ritish Silver and Lead	12,000	5 0	60,000		1111
ritish Tin	8,000	2 10	20,000	12,000	1 10
rewer	120	****	****		
udnick	70	****	£333.	57.0	****
arn Brea	1,000	****	****	****	
ornubian Lead Company	2,000	44.64		4,000	2 0
ook's Kitchen	****	. 64.49	****	****	10 0
harlestown	512	****	****	****	Siii.
opper Bottom	112	10.000	17.55	1000	2000
ornwall Great United	100	10000	1,500	1,500	15 0
ornwall United	6,000	12 0	72,000	42,000	7 0
artmoor Consolidated	4,000	10 0	40,000	6,000	
urham County Coal Company	5,000	5 0	25,000	15,000	3 0
anescomb	10,000	51170	3444	370,000	37 0
e Dunstanville	2,000	2570	****	4,000	2 0
uffield	6,000	00.11		1711	****
ast Cornwall	1,000	30 0	30,000	11,000	11 0
ast Cornwall	10,000	5 0	50,000	22,500	2 5
ast Wheal Brothers	2,000	6 0	12,000	12,000	6 0
ast Wheal Strawberry.	5,000	20 0	100,000	50,000	10 0
nglish	2,560	10 0	25,600	11,520	4 10
nglish Copper Company.	4,000	25 0	100,000	56,000	14 0
ast Mulberry Hills	10,000	100 0	1,000,000	230,000	23 0
ast Pool	1,200 256		****	4,200	3 10
st Tretoil		****	4.2.4	*****	1111
reat Wheal Prosper	4,000	2.7.4.9	****	4,000	1 0
reat Wheal Charlotte	3,200	****	911	24,000	7 10
ayle Consolidated	6,000	2000	V 22	12,000	3 0
bernian		5 0	30,000	18,000	3 0
olmbush	1,000	50 0	500,000	122,500	12 5
le of Sark	2,000	100 0	100,000	****	22.25
iperial State Company	2,000 15,000	10. 0	Y50 000	22,000	11 0
elwerris	12,000	10 0	150,000	37,500	2 10
ning Company of Ireland		5 0 25 0	60,000	140 000	25.00
w South Hove	20,000 4,000		500,000	140,000	7 0
orth Consolidated	1,000	6 0 16 0	20,000	6,000	
	8,000	5 0	16,000	16,000	16 0
rran Consolidated	6,000	5 0	40,000	16,000	2 0
lberou Consolidated	3,000	10 0	30,000	15,000	2 10
toreen	6,000	5 0	30,000	30,000	10 0
lymney Iron	10,000	50 0		24,000	4 0
listian	2,000	00 0	500,000	500,000	50 0
edmoor Consolidated	5,000	5 0	25,000	17,500	2.12
dneth, United	10,000	10 0	100,000		3 10
sewall Hill	10,000	0	100,000	35,000	3 10
oche Rock	10,000	3 0	30,000	12,500	
uth Towan	800		00,000	8,000	10 0
outh Wheal Leisure	5,000	5 0	25,000	The second secon	
uth Polgooth	5,000	4 0	20,000		
	8,000	2 10	20,000	8,000	1 0
mar Consolidated	6,000	5 0	30,000	18,000	3 0
eleigh Consolidated	5,000	5 0	25,000	28,750	4 15
eyorgus	6,000	5 0	30,000	15,006	2 10
Croft	4,000	1000	****	18,000	4 10
II Croft	6,000		****	39,000	6 10
eton	4,300		****	6,450	1 10
evidgia	1,000			5,000	5 0
viskey and Barrier	120	****		****	
	96				
thelian	120	****		1333	1.00
ited Hills	4,000	5 0	20,000	20,090	5 0
endron	2,000	8 0	16,000	20,000	
st Cork	8,300	50 0	165,000	165,000	50 0
	12,000	5 0	60,000	12,000	1 0
	9,000	5 0	45,000	18,000	2 0
	4,520	5 0	22,600	40,680	9 0
hant Death	5,000	20 0	100,000	1000	
near Brothers		5 0	25,000	7,500	1 10
heal Gilbert	5,000			7,000	1 10
beal Gilbert	5,000	10 0	50.000	50.000	10 0
heal Brothers Theal Harmony and Montague Theory	5,000 5,000 800		50,000 12,000	50,000	10 0
heal Gibert heal Harmony and Montague herry	5,000 800 6,000	15 0	12,000	12,000	15 0
heal Gilbert	5,000 800		50,000 12,000		

FOREIGN MINING COMPANIES.

	Number of Shares.	Amount of Share.	Capital.	Amount paid up or expended.	Paid up per Share.	Value Jan. 1 1843.
Alten. Copper Anglo-Mexican Gold Ditto, new shares Bolanos Silver Ditto, Scrip Brazilian Bolivar Copper Ditto, Scrip Cata Branca Gold Candonga Gold	4,000 10,000 10,000 2,000 2,000 10,000 10,000 10,000	# s. d. 15 0 0 100 0 0 25 0 0 150 0 0 25 0 0 35 0 0 20 0 0 10 0 0	£ 60,000 1,000,000 250,000 300,000 50,000 350,000 200,000 100,000 100,000	£ s. 50,000 0 1,050,000 0 250,000 0 300,000 0 50,000 0 260,000 0 100,000 0 65,000 0	\pounds s. d. 13 10 0 105 0 0 0 25 0 0 0 25 0 0 26 0 0 20 0 0 10 0 0 6 10 0	2 1 5 5 7 1 3 2 7 4
Candonga. Gold Ditto, registered. Cobre . Copper Conceicao . Copiapo. Columbian . Ditto, New General Mining Association. Mocaubas and Cocaes Mexican . Minas Geraes New Granda.	10,000 10,000 12,000 10,000 10,000 8,500 1,500 20,000 12,000 5,351 5,000 2,000	20 0 0 10 0 0 20 0 0 55 0 0 11 0 0 20 0 0 25 0 0 60 0 0 20 0 0 10 0 0 0	200,000 100,000 200,000 467,500 16,500 400,000 300,000 321,060 100,000 20,000	75,000 0 75,000 0 480,000 0 20,000 0 135,000 0 16,500 0 400,000 0 313,033 10 40,000 0 8,000 0	7 10 0 7 10 0 40 0 0 2 0 0 13 10 0 60 0 0 11 0 0 25 0 0 58 10 0 8 0 0 4 0 0	21 9 2 2 4 2
Penoles Gold Real Del Monte Ditto, unregistered	1,020 3,060 } 14,582 {	12 0 0 5 0 0 63 10 6	12,240 15,300	12,240 0 336,600 0	12 0 0 110 0 0 63 10 0	
Ditto, Loan Notes Rlo de Anori Gold washing Santiago de Cuba St. John Del Rey United Mexican Ditto, Scrip Ditto, New Scrip Union Gold Zacatecas Gold	2,500 7,000 11,000 30,000 5,000 14,000	10 0 0 25 0 0 14 10 0 40 0 0 22 10 0 0 10 0	25,000 175,000 159,500 1,200,000 112,500 7,000	8,750 0 70,000 0 23,375 0 1,260,000 0 49,375 0 7,000 0	150 0 0 3 10 0 10 0 0 2 2 6 42 0 0 5 0 0 9 17 6 0 10 0	18 12 3
ESTIMATE OF THE	ANNUAL	PRODUC	E OF		MINES.	takings
TOTAL	Inland, about	19,000,000	0 0	on board & Eless per ton. Services employed at the actors, Agents, United Kingdowked in the coal man the North employer.	4,249,091 te collicries abov &c. in London; m, it follows the nines is estimate	e ground 45,500 for it not less ed at from
country, and is capable of supplying the present ration 430 years. IRON: The Export in 1841 v Home Consumption	te or consump	don drawn from	that quarter,	being about 14 i	millions of tons	annually,
Home Consumption	about	_		at a in	***	
THE FOLLOWING SUMMARY WI	LL EXHIBIT			OF THE IRON	N TRADE:-	Average
Furnaces In blan South Staffordshire 1st div. 87 54 2d div. 48 32 North Staffordshire 1s 12 Shropshire 36 24 Derbyshire 15 14 Yorkishire 30 24 15 16 16 16 16 16 16 16	t. weekly make 4,200 2,475 620 1,355 577 1,059	Durham Forest of South W North W Ireland	m	Furnace 2 8 162 21 21 2	es. In blast, we	ekly mal 12 12 9,00 36
Northumberland 72 52 from which must be deducted 20 per cent., for red COPPER: The Export in 1841 was Home Consumption, a	bout	5,296 tons				
TIN: The Export in 1841 was Home Consumption, about.		. 1,167 tons	£100 per ton		,429,600	
Availe Communitation, about.		-	£80 per ton	£	373,360	
LEAD: The Export in 1841 was. Home Consumption, about	of the mines		the new years and			
nome Consumption, and	AP 41-1403244345		£20 per ton		P850 580	

Total Annual Produce of the British Mines ..

42,979 tons at £20 per ton.....£859,580

Exports from the United Kingdom Imports into the United Kingdom In 1842. An Account of the Exports of the Principal Articles of British and Irish Produce and Manufactures, in the year Principal Articles of Foreign and Colonial Merchandise, as ending 5th January, 1843, compared with the Exports of returned for the year ending 5th January, 1843. the preceding Year.

ARTICLES.	Exportat	alue of the ions in the ed 5th Jan.		Imports.	Home Consumptn
	1842.	1843.	Coffeelbs	41,338,490	
Coals and Culm	£675,287	£783.574	Eggsnumber Currantscwt	89,347,823 264,151	
Cotton Manufactures	16,232,510	13,910,084	Gloves, Leather pairs	1,622,795	
, Yarn	7,266,968	7,752,676	Hempcwt	590,262	
Earthenware	600,759	554,221	Molasses cwt	487,562	
Glass	421,936	310,061	Oil: Train, Blubber, Spermaceti tuns	16,605	
Hardwares and Cutlery	1,623,961	1,392,888	Olivetuns	14,087	9,555
Linen Manufactures	3,347,555	2,360,152	Ricecwt	512,788	252,412
yarn	972,466	1,023,978	Seed, Flax and Linseed qrs	371,144	359,241
Metals, viz: Iron and Steel	2,877,278	2,453,892	Silk: Raw	3,915,193	3,936,714
Copper and Brass	1,523,744	1,821,754	Thrownlbs	397,472	
Lead		357,377	Manufactures of Europe lbs	264,311	
Tin, in bars, &c		199,911		345,776	
Tin Plates		348,236	Spirits: Rum gallons	4,635,605	
Salt		206,639	Brandygallons		
Silk Manufactures		589,644	Sugarewt	4,699,261	
Sugar, Refined		439,335	Tallowcwt		
Wool, Sheep or Lambs'		510,965	Tealbs		
Woollen Yarn		573,521	Tobaccolbs	38,204,641	
" Manufactures	5,748,673	5,199,243	Wine, of all sorts gallons	7,218,571	
		- American	Wool: Cottonlbs	532,067,984	
Total of the foregoing Articles &	44,609,358	40,738,151	Sheep and Lambs'lbs	45,833,983	44,611,465

IMPORT OF FOREIGN METALS in 1841.

5.50	Iron including	Cop	per.	7.0	0.00	
COUNTRIES.	unwrought Steel.	Manu- factured.	Ore,	Tin.	Lead.	
Russia. Sweden Norway British West Indies. Hayti Cuba United States of America Columbia Chill. Peru. Holland Cape of Good Hope. East India Company's territories (exclusive of § Singapore Java. Spain Gibraltar Italy. Australian Settlements	Tons. 3,530 20,762 20,762 977 4 526 9 34 225	Cwts. 2,526 38 75 2 3,847 3,822 459 21 127	Cwts. 332 7,774 2,650 653,186 16,019 34,362 217,720 32,404 1,801	347 365 84 3,524 17,915 6,197	Tons. 4 1,099 83 13 4	
Brazil Guernsey and Jersey (Produce) Lsle of Man All other Countries	1,221	80 1 145	1,760 783	***	10 140 3,194 3	
Total	27,492	11,178	973,701	28,434	4,550	
Smelted in the United Kingdom	4,538	12,268	201,743 778	25,344	946	
FOREIGN MANUFACTURES: Entered by Weight	71 71 £4,227 £2,492		639 639 £2,367 £277			

IMPORT OF IRISH GRAIN.

STATEMENT OF THE QUANTITIES OF EACH KIND OF GRAIN AND OF MALT IMPORTED INTO GREAT BRITAIN FROM IRELAND, IN EACH YEAR, FROM 1800 TO 1841.

	CORN	OF IRISH G	ROWTH IM	PORTED I	NTO GRE	AT BRITAIN	FROM IRE	LAND.
Years.	Wheat and Wheat Flour.	Barley, including Beer or Bigg.	Oats and Oatmeal.	Rye.	Peas.	Beans.	Malt.	Total.
- 15	Qrs.	Qrs.	Qrs.	Qrs.	Qrs.	Qrs.	Qrs.	Qrs.
1800	749	78	2,411	1	****		****	3,238
1801	150	Garage	375					525
1802	108,751	7,116	341,151	282	113	1,655	2,303	461,371
1803	61,267	12,879	266,359	753	611	1,653	25	343,547
1804	70,071	2,521	240,022	206	1,078	3,060	****	316,958
1805	84,087	15,656	203,302	235	1,634	2,010		306,924
1806	102,276	3,237	357,077	330	1,389	2,361		466,760
1807	44,900	23,048	389,649	431	1,390	3,777	4444	463,193
1808	43,497	30,586	579,974	573	75	2,065		656,770
1809	66,944	16,619	845,783	425	38	2,669	****	932,47
1810	126,388	8,321	492,741	20	216	3,541	10.5	631,22
1811	147,245	2,713	275,757	21	50	4.081	****	429.86
1811				178	51	5,008	****	597,85
	158,352	43,138	390,629		77		****	
1813	217,154	63,560	691,498	420		4,455	****	977,16 812,46
1814	225,478	16,779	564,010	4	460	5,731	****	
1815	189,544	27,108	597,537	207	425	6,371	****	821,19
1816	121,631	62,254	683,714	43	239	5,984	****	873,86
1817	55,481	26,766	611,117	GARA	12	2,275	****	695.65
1818	105,179	25,387	1,069,385	4	10	4,768	****	1,204,73
1819	153,850	20,311	789,613	2	****	3,904	33.49	967,68
1820	403,407	87,095	916,251	134	439	8,396	****	1,415,72
1821	569,700	82,884	1,162,249	550	2,474	4,959	****	1,822,81
1822	463,004	22,532	569,237	353	728	7,235	1.11	1,063,08
1823	400,068	19,274	1,102,487	198	586	5,540	****	1,528,15
1824	356,384	44,699	1,225,085	112	756	5,791	1,173	1,634,00
1825	396,018	154,256	1,629,856	220	1.431	11,355	10,826	2,203 96
1826	314,851	64,885	1,303,734	77	1,452	7,190	1,203	1,693,39
1827	405,255	67,791	1,343,267	256	1,282	10,037	572	1,828,46
1828	652,584	84,204	2,075,631	1,424	4,826	7,068	853	2,826,59
1828	519.017	97,140	1,673,628	568	4,826	19,445	2,011	2,820,39
1830	529,717	189,745	1,471,252	414	2,520	19,445	2.820	2,307,24
1830	557,498	189,745	1,4/1,252	515	4,142	15,029	10,888	2,219,92
				294			8,229	
1832	790,293	123,639	2,651,867	294 166	1,915	14,530		2,990,76
1833	844,211	101,767	1,762,520		2,646	19,114	7,017	2,737,44
1834	779,5115	217,855	1,769,503	983	2,176	18,771	3,864	2,792,65
1835	661,776	156,242	1,822,767	614	3,447	24,235	10,357	2,679,43
1836	598,757	184,156	2,132,138	483	2,920	17,604	22,214	2,958,27
1837	534,465	187,473	2,274,675	1,016	60	25,630	4,174	3,030,29
1838	542,583	156,467	2,742,807	628	5,232	21,584	5,001	3,474,30
1839	258,331	61,676	1,904,933	2,331	1,484	11,535	2,861	2,243,15
1840	174,439	95,954	2,037,835	122	1,403	14,573	3,456	2,327,78
1841	218,708	75,568	2,539,380	172	855	15,907	4,935	2,855,52

RAILWAY RECEIPTS AND DISBURSEMENTS ON 21 LINES, FOR SIX MONTHS IN 1841.

NAME.	TRAI	FFIC.	cent. on seipts of the lines	NAME.		TRAF	FIC.		cent. on seipts of the lines
NAME.	Receipts.	Expenditure	Cost per gross re working	NAME	Receip	pts.	Expenditure		Cost per gross re- working
Arbroath and Forfar Chester and Birkenhead. Dundee and Arbroath Glasgow, Palsley & Ayr. Glnsgow, Palsley, and Greenock Grand Junction Great Western. Hull and Selby Lancaster and Preston. Liverpool & Manchester. Loudon & Birmingham.	9708 2 7 213334 12 0 187780 16 2 18719 7 11 13532 0 8 129589 16 11		60	London & South Western	123016 22309 61617 94083 20841 5339	15 6 1 2 9 3 2 3 5 2 15 4 10 6 5 4	7341 24039 58043	15 12 3 6 6 1 12	7 49 2 33 4 39 6 612 5 50
London and Greenwich	17545 6 6	15449 18 7 16107 12 4	88 55	Average cost of working	the line	s—pe	r cent,	nearly	

IMPORT OF FOREIGN WHEAT AND FLOUR.

STATEMENT OF THE TOTAL QUANTITIES OF WHEAT AND WHEAT FLOUR IMPORTED INTO AND EXPORTED FROM GREAT BRITAIN, IN EACH YEAR FROM 1697 TO 1841.

Years.	Imported.	Exported.	Years.	Imported.	Exported.	Year.	Imported.	Exported.	Years.	Imported.	Exported.
	Qrs.	Qrs.		Qrs.	Qrs.		Qrs.	Qrs.		Qrs.	Qrs.
1697	400	14,698	1734	7	498,747	1771	2,510	10,089	1808	84,389	98,005
1698	1,689	6,886	1734 1735	9	155,280	1771 1772	25,474	6,959	1809	455,987	31,278
1699	488	557	1736	18	118,218	1773	56,857	7,637	1810	1,567,126	75,785
1700	5	49,057	1737	32	466,071	177a 1774	289,149	15,928	1811	336,131	75,785 97,765
1701	1	98,324	1738	3	588,284	177a	560,988	91,037	1812	290,710	46,325
1702		90,230	1739	23	285,492	1776	20,578	210,664	1813	100	f Records
1703	50	106,615	1740	5,469	54,391	1777	233,323	87,686	125040	559,000	destroved
1704 1705 1706	2	90,314	1741	7,540	45,417	1778	106,394	141,070 222,261	1814	852,567	111.477
1705	****	96,185	1742	1	295,698	1779	5,039	222,261	1815	384,475	227,947
1706	77	188,332	1743	3	375,979	1780	3,915	224,059	1816	332,491	121,611
1707 1708		74,155	1744	2 8	234,274	1781	159,866	103,021	1817	1,089,855	317,524
1708	86	83 969	1745	8	325,340	1782	80,695	145,152	1818	1,694,261	58,668
1709	1,552	71,618	1146	10.00	131,105	1783	584,183	51,943	1819	625,638	44,689
1710	400	16,607	1747		270,491	1784	216,947	89,288	1820	996,479	94,657
1711	****	80,941	1748	6	545,240	1785	110,863	132,685	1821	707,384	199,846
1712		148,539	1749	382	631,007	1786	51,463	205,466	1822	510,602	160,499
1713	4444	179,969	1750	280	950,483	1787	59,339	120,536	1823	424,019	145,951
1714	16	180,665	1751	3	662,957	1788	148,710	82,971	1824	441,591	61,680
1715	****	173,237	1752	****	430,117	1789	112,656	140,014	1825	787,606	38,796
1716	****	75,876	1753 1754	*****	300,754	1790	222,557	30,892	1826	897.127	20,054
1717	++++	25,637	1754	201	356,781	1791	469,056	70,626	1827	711,868	57,323
1718	****	74,381	1755	*1.**	237,466	1792	22,417	300,278	1828	1,410,300	76,489
1719	20	130,533	1756	5	102,752	1793	490,398	76,869	1829	2,190,095	75,097
1720 1721	****	84,343	1757	141,562	11,545	1794	327,902	155,048	1830	2,205,751	37,149
1721	****	82,748	1758	20,353	9,234	1795 1796	313,793 879,200	18,839 24,679	1831	2,867,860	65,875
1722	****	178,915 158,082	1759	162	227,641	1790	461 707	54,525	1832 1833	1,254,351	289,558
1721	*****	247,162	1760 1761	100	393,614 441,956	1798	461,767 396,721	59,782	1834	1,166,457 981,486	96,222
1705	148	211,175	1762	56	295,385	1799	463,185	39,362	1835		159,482
1700		42 000	1763	72	429,538	1800	1,264,520	22,013	1836	750,808 861,156	134,076
1797	****	43,626 31,030	1764	11	396,857	1801	1,424,765	28,406	1837	1,109,492	256,978
1720	74,574	3,935	1765	104,547	167,126	1802	647,663	149,304	1838	1,923,400	308,420 158,621
1790	40,315	18,993	1766	11,020	164,939	1803	373,725	76,580	1939	3,110,729	
1723 1724 1725 1726 1727 1728 1729 1730	76	94,530	1767	497,905	5,071	1804	461,140	63,073	1840	2,526,645	42,512 87,242
1731	70	130,650	1768	349,268	7,433	1805	920,834	77,955	1841	2,923,189	30,390
1732		202,612	1769	4,378	49,892	1806	310,342	29,566	1041	a,000,100	00,000
1732 1733	*****	427,425	1769 1770	34	75,449	1807	404,946	25,113	9		

Note.-This Account includes the Trade with Ireland.

Export of COAL, &c. from the Tyne, Tees, Wear, Humber, &c.

RETURN of the Number of Ships, with their Tonnage, distinguishing British from Foreign, that have cleared Outwards in each Year, from 1830 to 1841 inclusive, from the Ports of the Tyne, including Blyth and Hartley, the Wear and the Tees, together with Seaham Harbour and Hartlepool, and the Ports of the Humber, with Cargoes, or Part Cargoes, of Coal, for the purpose of Exportation to Foreign Countries:—and, of the number of Ships, with their Tonnage, distinguishing British from Foreign, that have cleared Outwards, in the same period, from the same Ports, with Cargoes for Exportation, in all other branches of Trade.

	-	P	orts o	of the	Tyne	, &c.			1		Po	rts	of th	e Te	es, é	kc.	
Years.	-		Coals.		The second	her Braz	A		Years.		With	Coals		All of	her Bra	nches	of Trade
rea	Br	itish.	Fore	eign.	Bri	tish.	For	reign.	ea	Bri	tish.	Fo	reign.	Bri	tish.	For	eign.
	Ships.	Tons.	Ships.	Tons.	Ships	Tons.	Ships	Tons.	-	Ships.	Tons.	Ships	Tons.	Ships	Tons.	Ships	Tons.
1830 1831 1832 1833 1834 1835 1836 1839 1840 1841	1,391 1,521 1,525 1,697 1,934	88,730 76,991 126,598 134,866 135,657 179,988 196,951 237,444 251,959 282,154 318,414 389,427	560 532 445 624 599 793 876 1,085 1,177 1,266 1,319 1,455	44,833 61,222 48,957 61,256 60,634 82,355 93,758 122,440 127,486 139,171 136,489 168,099	90 87 82 99 75	6,340 8,019 10,351 9,786 8,998 9,012 10,109 11,114 13,020 15,653 11,097 16,160	18 12 16 19 20 24 32 38 98 66	2,217 1,918 1,368 1,714 2,484 2,815 3,392 4,143 4,260 8,053 6,413 8,760	1830 1831 1832 1833 1834 1835 1836 1837 1838 1849 1840 1841		262 1,019 754 2,340 7,839 18,899 18,990 20,077 38,160 52,307 65,181 80,139	2 9 15 39 197 274 410 524 544	318 144 221 1,039 1,080 3,010 12,322 16,555 26,615 32,791 35,763 44,392	6 7 8 9 6 11 5 2 4 5	241 492 759 808 797 486 1,123 356 830 449 392 263	1 1 5 5 7 5	133 - 47 70 58 255 451 460 210 171 377
		Po	rts of	the V	Vear,	&c.					Port	s of	the E	Ium	ber,	&c.	
1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841	459 535 693 844 1,074 1,319	107,244 108,912 127,951 122,708 94,798 83,878 100,691 132,261 158,559 202,902 252,853 233,009	114 225 223 269 310 401 359 576 809 762 815 791	9,889 20,547 20,783 26,981 28,186 37,314 30,465 45,677 63,747 60,535 65,653 62,999	7 9 10 2 7 5 4 2 2 3 3 2	668 1,877 1,587 258 919 1,020 940 298 210 465 440 192	-6 6 11 8 12 7 13 11 9 7 6	443 389 555 582 796 402 814 497 595 424 305	1830 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841	118 85 89 73 121 110 125	There a disting m othe 20,444 i4,912 20,015 i4,709 22,348 22,206 25,762 31,770	55 65 72 67 96 321 222	hose Sh	538 580 500 561 529 524 1	hich c	142 166 137 151 177 215 297	Coal

RAILWAY TRAVELLING.—TABLE SHEWING THE RATE OF TRAVELLING.

Observe the time the Train takes in passing from one milestone to the next, and with that amount look down the left hand column for the nearest time in minutes and seconds to the observed time. On the same line with it, in the right hand column, will be found the rate at which the train travels in miles per hour.

Time of Train passing over one mile.	Rate of tra- velling in Miles per Hr.	Time of Train passing over one mile.	Rate of tra- velling in Miles per Hr.	Time of Train passing over one mile.	Rate of tra- velling in Miles per Hr.	Time of Train passing over one mile.	Rate of tra- velling in Miles per Hr.
Min. Sec. 6 0 5 0 4 40 4 20 4 0 3 45	10 12 13 14	Min. Sec. 3 30 3 15 3 0 2 50 2 40 2 30	17 18½ 20 21¼ 22½ 24	Min. Sec. 2 20 2 10 2 0 1 55 1 50	26 27 ³ 30 31 ³ 32 ³	Min. Sec. 1 45 1 40 1 35 1 20 1 25	34½ 36 37¾ 40 42½

BIRMINGHAM & GLOUCESTER RAILWAY COMPANY.

PASSENGERS.—Six months ended Dec. 31, 1841.

	Nu	mber.	1	iles travelled by the number.	mi	age number of les travelled ch Passenger.
First Class Second Class Third Class	112	,294 ,660 ,322	2,	226,733 252,716 497,203	19	one-fifth one-fifth three-fifths.
Total	193	3,276	3,	976,652	20	three-fifths.
Equivalent to 75,031 Passengers conveyed the whole di per head	istance per mi	of 53 mil le.	es.—Ave	rage fare of a	ll class	es, d. 2.134
		o. of engers,		eipts from sengers.	sen	ots from Pas- gers run by ins per mile.
By Mail Trains (daily). By all other Trains By Mail Trains on Sundays	1 :	1201 1261 124	£ 2 £16 £ 2			2s. 6èd. 5s. 8d. 2s. 6d.
LOCOMOTI	VE PO	WER.				
		Running and Pi	Trains	Working Lic Incline.	key	Total.
Wages of Drivers and Firemen Coke (27s. per ton) Oil and Tallow (consumed in running) General Charges (see below)	 	779 3,395 489		£ 8. 132 7 324 13 49 8 237 19	6 4	£ s. d. 912 5 3 8,720 12 8 538 11 10 2,528 19 0
Total charges running department	airing	6,955 2,289		744 9 245 1	4 0	7,700 8 9 2,584 14 1
Total Depreciation of Stock in the half-year	• • • • • •		12 6 0 0	989 10 99 0		10,235 2 10 1,025 0 0
Total		10,171	12 6	1,088 10	4	11,260 2 10
ANALYSES OF GE Wages of Pumpers and Coke Fillers Wages of Cleaners and Labourers Firewood. Hose Pipes. Oil, Cotton-waste, &c., for Cleaners, and all other stores		•••••			8 18 1 17 8 17	9 0 - 1,061 17 7 6
Superintendent, Clerks, Foremen, Store and Time-keepers Premium to Men for saving on Coke				<u> </u>		- 1,029 13 11 864 7 6
Total		• • • • • • • •				£2,528 19 0

BIRMINGHAM & GLOUCESTER RAILWAY GOODS STATISTICS.

WEIGHT, RECEIPTS, AND MILEAGR	OF GOODS CON			31st DEC., 1	
1841.	Weight by Company.	Weight by Carriers.	Total Weight.	Total Receipts.	Heceipts per Ton per mile conveyed.
lst Jan. to 30th June lst July to 31st December lst July to 3th October (14 weeks) 9th October to 31st December (12 weeks) 1842.	. 5881 0 2 . 2693 1 1 . 3187 19 1	3132 14 3 7 4043 10 1 7 2322 15 2 6 1720 14 3 7	7 7221 2 0 7 7221 2 0 7 9924 10 3 6 5015 16 3 7 4908 14 0	3610 14 4 5249 3 9 2712 16 2 2536 7 7	304 341 342 3,694 3,934 3,469
1st Jan. to 30th June			8 10810 1 0	5635 8 1	39 3,162
1841.	AVERAGE F		·	. £ 8, D.	
lst January to 30th June. lst July to 8th October 9th October to 31st December	. 157 4 34 . 192 7 0	165 18 0 6	7 277 14 24 6 358 5 0 7 409 1 0	139 15 6 187 1 10	
	LOCOMOTI	VE POWER.	Thelia		
Mileage of Engines	••••••	. 142,666 miles) . 133,491 do.	Lickey Inclin		Total.
Total quantity of Coke consumed Coke per mile run byengines (including proport			т. с. 238 15 430 4 lbs.		T. C. Q. 2754 18 34
Running charges		Per mile run b Engine. 112d. 58d.	Per Trip, in return, and steam 12 (including bet d keeping han up, inc.	r double journey tween Birming- m & Gloucester cluding incline. 6 3 8 2 16 6
. Total		1 5 1	17	61 2	£9 0 2
	ınder repair	ditto	months	23 5	
Ditto ditto l	aid by	ditto	******	2	
(Average total earnings of train	ns per mile. 7:	. 3åd.; per doubl	le journey, £38	•	
Six Months ended Dec. 31st.	by Merchandi Conveyed		Receipts for Merchandise.	Receipts for Coals.	Receipts per Ton per Mile exclusive of Coal.
1841 7 5,881 0 2 4,043 10 1842 7 8,350 4 0 5,129 4 1843 10 4,493 1 2 12,674 4) 1 9.924 10 4 0 13,479 8	0 5,003 4 0	5,249 3 9 7,055 19 10 1	1,166 14 10 4	d. 34½ 3.694 42½ 2.956 42½ 2.265
Twelve months ended	0 24,289 9	0 5,003 4 0	8,859 18 1 12,691 7 11 1 12,240 4 0 2	1,166 14 10 41 2,788 19 5 4	323 3.790 1 4-5 3.043 123 2.430

In the RAILWAY MAGAZINE for 26th March, 1842, Mr. HERAPATH gives the following statistics:-

The length of line run by the London and Birmingham, including the Aylesbury branch, is 119½ miles; of the Grand Junction, including the Liverpool and Manchester, and Chester and Crewe, it is about 133½; of the South Western, taking in the Gosport branch, 92½; and of the Great Western, including the Bristol and Exeter, and Cheltenham Union, 169 miles. Hence, taking the receipts earned during the past half-year, exclusive of other sources of revenue, and the expenditures, we have—

	Length worked Miles.		year's Expend.	Half- Receipts per mile.	year's Expend. per mile.	Per cent- age of Ex- penditure on Receipts.	Per cent and loan half-y	s for the ear of	Half-year cent Cap. and Loans.		Cost per Mile,
London & Birmngm Grand Junction South Western Great Western	1194 1334 923 169	429,023 238,207 153,162 337,008	134,684 104,988 70,284 152,787	3590·2 1784·2 1651·3 1994·2	#2 1132·3 784·6 757·8 904·1	\$1.685 43.973 45.889 45.336	7·2782 10·5220 6·2372 5·3145	2·3061 4·6375 2·8622 2·4094	4·9721 5·8845 3·3750 2·9051	£ 6·53 6·80 3·91 3·35	52,396 21,525* 26,475 53,968

^{*} This is given by Mr. Moss, the Chairman. The other costs per mile are computed upon the number of miles constructed.

ESTIMATE

OF THE ENTIRE PRODUCE OF THE MANUFACTURES OF THE UNITED KINGDOM.

				Raw Cotton taken for Consumption in the same Year.	Exports in 1841	Home Consumption
Cotto	ns		£	lbs.	23,513,599	28,000,000
In 1824 Mr. Hus	kisson estima	ated the value of the pro-	100000			-67.60-4
		anufactures at	33,500,000	141,038,743		1
- CD - CC - C - C - C - C - C - C - C -	A CONTRACTOR OF THE STATE OF TH	ne and Mr. Mc. Culloch		293,682,976		
In 1834 Mr. Mac	es of Leeds queen -	11111	31,338,693 J 52,513,416	302,935,657		
in the same period 1 375 per cent. Som sum of 60 millions, reduced to 440,297,1 8½ millions, of whice 7½ millions.	had increased e are of opin but in 1841 101 lbs., and ch the Expor	ne, the quantity of Raw C from 141 millions to 528 : don that in 1840 our Cotte the quantity of Raw Cotte consequently the Manufact t Trade was only 1 million	millions of pour on Manufacture n taken for con tures fell off to and the Home	ands, or about es reached the sumption was the extent of Consumption	6,301,836	14,000,000
Sheep in England a 136,617,120 ibs. Ho	nd Wales at ome Consum	23,759,509 producing 569,3 ption of Foreign Wool in 18	328 packs of w 341, 53,130,446	ool, weighing		
Hardwa Pew	ter Manufact	ery, including Brass, Cop- tures, and including the val	ue of unwroug	ht metals f	6,659,963 432,117 4,358,071	11,000,000 13,000,000 8,000,000
Leather Linen Paper, 1	Furniture, B	ooks, Printing, &C			416,345	14,000,000
Leather Linen Paper, I Silk China, (Jewelle)	Glass, Earthe	ooks, Printing, &cnware, &c.			416,345 788,894 1,022,189 214,156 7,910,252	14,000,000 6,000,000 4,000,000 3,000,000 25,000,000
Leather Linen Paper, J Silk China, (Jewelle Miscella	Glass, Earthery, Plate, &c.	xports in 1841		3.088.406	788,894 1,022,189 214,156	6,090,000 4,000,000 3,000,000
Leather Linen Paper, J Silk China, (Jeweller Miscella	Glass, Earthe ry, Plate, &c. aneous Total E produce of th	nware, &c.		3,088,406 1,194,710 197,990	788,894 1,022,189 214,156 7,910,252	6,090,000 4,000,000 3,000,000

Comparative Table of the Garnkirk and Glasgow Railway Traffic and Revenue, for the Nine Years preceding 1st January, 1841.

Years.	No. of Tons.	Increase of Number of Tons.	Revenue, exclusive of Passengers' Fares.	Increase.	No. of Passen- gers.	Increase of Number of Passengers	Revenue from Passengers.	Increase.	Gross Revenue.	Total Increase.
1832 1833 1834 1835 1836 1837 1838 1839 1840	143,520 137,867 146,851 181,615 206,275	8,984 34,764 24,660	£ s. p 4,758 9 10 4,794 17 8 5,428 9 6,473 15 9 8,036 7 2 9,523 17 8 10,065 4 12,001 10 1	36 7 10 633 11 7 644 1 0 601 5 6 1,552 11 42 1,487 10 6	126,810 97,746	33,398 21,740 18,981 8,979 7,320	2,985 2 0 3,438 10 3 3,450 4 7 3,803 9 0 4,119 16 6 3,397 13 9		# s. p. 6,476 6 5 7,234 18 4½ 8,413 11 3½ 9,311 0 6½ 10,324 0 4½ 11,839 16 2 13,643 14 2½ 13,462 18 4½ 15,713 17 4	£ s. d. 758 11 114 1,178 12 11 897 9 3 1,012 19 10 1,515 15 10 1,803 18 03 2,250 18 114

TRAFFIC ON THE LONDON AND BIRMINGHAM RAILWAY.

Comparative Mileage of Passenger Traffic for the Half Years ended 31st December, 1839, 1840, and 1841.

				1000	umber of senger	- 1	Miles	Travelled	L	Passe	10	- 1	Average of Travell Pas	ed h	y ea	ch	Equa undern number engers the listance	r of trav who	Pas- elling le
Half Year ended Ditto Ditto	31st Dec ditto ditto	18	39 40 41	39	11,420 94,688 13,272		25,5	284,830 931,163 156,212		185 214 224	6		L	65 d 65 d 65 d	3		1	081 258 317	Ł
	The	same for	the I				cd 30	th June	, 1	839, 18	40,	ind	1841						
Half Year ended Ditto Ditto	30th Jun ditto ditto			26 32 35	37,144 27,930 54,322		21,6	391,035 675,287 399,936		147 179 195	21		7	65 66 66		1	1	857 058 154	
Compara	tive Stat	tement of	Half	Year	rly R	Receip	ts, fre	om 1st .	Jan	wary.	1839	to	31st .	Dec	emb	er.	1841.		
		Half Ye ending 30th 1830.	ear June,	E endin	Ialf Ye g Dec 1839.	ar . 31st,	H endin	Ialf Year g June 30 1840.	oth,	Hali ending 1	Year Dec. 3	lut,	H: ending	lf Y Jui 1841	ear ne 30	th,	Hall ending	f Ye Dec 841.	ar . 31st
Passengers Mails Horses,carriages Parcels Merchandise Cattle	& dogs	£ 248,864 21,276		7, 16, 21, 43,	697 1 391 229 479 1 415	7 0	7, 15, 20, 47,	8 s. 781 18 285 9 509 7 304 8 920 16 392 8	D. 0 1 6 1 8 6	293,18 7,31- 17,52 25,30 56,27- 5,43	4 19 5 10 8 5 4 16	D. 1 2 0 9 7	16,9 24,6 67,6	93 95 70 70	13 13 17 3	D. 6 10 0 2 7 0	299,50 7,31 18,35 27,70 69,10 7,03	9 1	1 11 9 2 4 0 7 10 9 10
		270,241	0 4	343,	,910	0 9	343,	194 7	10	405,04	0 15	7	382,4	52	16	1	429,02	23	3 3
Ratio of expenditure ding allowance for ciation) from the "Maint of Way" was at the of the Company.	devre-	per cent Receip						44,611		39,	058		3	8,51	13		34	,80	;
Oct., 1842, give cheaper to trav COMPARATIVE S FORMS	vel by Ra	ilway that	BE F	o pro loach	BY (B ti	he year rincipal lood, wh leached,	184 ly iere	4, reach consum , by the rinted,	ed the	of in	moun anche mach an inc	sterine ine	f 64 r an ry, i libly	6,8 d t t is	74,816 he nei spun, ort tin	lbs ghb wo	our- ven, gain
COMPARATIVE S	Vel by Ra	NT OF T	HE FAY IN	o pro loach ARES 184 By	BY (COAC	H b end	he year rincipal	ly ly ere to ture acc	4, reach consume, by the rinted, all part es during counts	ed the aid and s of the	of in he	moun anche mach an ind world. ar 184	stered red	f 64 r an ry, i libly the	t is sh exp	74,816 he nei spun, ort tin orts or st as t the fe	lbs ghb wo ne s f co o w ollo	ven, gain tton hich wing
cheaper to trav	vel by Ra	By Coach In- side. sid	t- Ch	By st ass.	Railw 2nd Class.	COAC	p h h b e n d d siss.	he year principal good, wholeached, exported manufact letailed	ly ly ere to ture acc	4, reach consume, by the rinted, all part es during counts	ed the aid and s of the	of in he	moun anche mach an ind world. ar 184	sterine red 7 3, 1	f 64 r an ry, i libly the	6,8 d t t is sh exp late	74,816 he nei spun, ort tin orts or st as t the fe	lbs ghb wo ne s f co o w ollo	our- ven, gain tton hich wing
COMPARATIVE S FORMS London to Birmi London to Brist London to South London to Brist London to Brist London to Brist	ngham ol	NT OF TO RAILW By Coach In- side. Sid	t- Cle 30 30 14	By st ass. d. 0 0 0 0 1 6	Railw 2nd Class. s. d 20 (21 (14 (9)	COAC	H b b c n d d s s s d . O P O F	he year principal good, wholeached, exported manufact letailed	184 ly here , p to ture acc , vi	4, reach consume, by the rinted, all parties durin counts and counts are all coun	ed the aid and soft the property of the proper	of in he ye	moun anche mach an ine world. ar 184 ished,	Ya 2,5%	f 64 r an ry, i libly The c the l	6,8 dd t t is shexplate ed	74,816 he nei spun, ort tim orts orts orts as the fe	lbs ghb wo he as f co wollo	., is our- ven, gain tton hich wing red ie.
COMPARATIVE S FORMS London to Birmit London to Briste London to Sub- London to Sub- London to Brigh	ngham ol amptn aton e road niles orrespondives the fc	illway that illway that illway that illway that illway Coach Ins. Out illway that illway t	ttee. Classes 30 30 14 14 15 16 Rai o refut	By st ass. d. 0 0 0 1 6 2 0	Railw 2nd Class s. d 20 (21 14 19 11 11 11 11 11 11 11 11 11 11 11 11	COAC Vay. Sr. Clas 142 0 86 6 6 0 0 0 es, 56	d ass. d. O P	he year rincipal lood, who leached, xported nanufac; letailed mounts, White or Printed of Hosiery:	184 ly lere pto ture acc , vi r pl or d and y	4, reach consume, by the rinted, all partes during counts a section of the rinted, all partes during counts a section of the rinted parter of the rinted par	ed the direction and and soft the lare points.	of o	moun anche mach an ind world. ar 184 ished,	Ya 2,5; 6,00	f 64 r an rry, i libly The the l each	6,8 dd t t is shexplate ed	74,816 he nei spun, ort tin orts orts orts as t the form of the fo	lbs ghb wo he af co wollo ecls 7alt £024, 1444, 193, 1447,	our- ven, gain tton hich wing red te. 287 177 536 971
COMPARATIVE S FORMS London to Birmit London to Briste London to Briste London to Brigh Expenses on the for every 100 m And another Co Nov., 1842, giv	ngham of ampth and ampth ampth ampth ampth ampth ampth ampth correspondives the fc Statemer E	illway that INT OF T IND RAILW By Coach INT OF T IND RAILW By Coach IND Coac	t- Che Same Rai Same	By st d. d.) 0 0 0 0 14 6 By 0 By	Railw 2nd Class. s. d 22 20 21 14 2 21 Time above Coac	At it	tis ti pp h h h be m d d d ass. d. d. o P H h be T	he year principal tood, wh bleached, xported nanufact letailed mounts, White or Printed of Hosiery Twist an of which treat La	184 ly here , p to ture acc , vii	4, reach consume, by the rinted, all partes during the ses during	ed the direction of the said and soft to said the said soft to said the said to said t	of in the year which will be year with the year will be with the year will be year.	moun anche mach an ine world. ar 184 ished,	Ye Ye (0,3);	f 64 r an ry, i libly The the l ach ards. 75,10 21,13	6,8 d t is she explate ed	74,816 he nei spun, ort tin orts o st as t the formula of the form	lbs ghb wo he as f co o wolloo ecls /alt £024, 144, 085, 193, by	our- ven, gain tton hich wing 287 177 536 971 the
COMPARATIVE S FORMS London to Birmit London to Briste London to Briste London to Brigh Expenses on the for every 100 m And another Co Nov., 1842, giv	ngham of ampth and ampth ampth ampth ampth ampth ampth ampth correspondives the fc Statemer E	ilway than int of T is of Rallway. By Coach In- Ou dide. sid s. s. s. 42 21 32 18 28 16 22 1 12 15 16 lent in the control of the control of F is of the control of the cont	tte. Class 300 200 144 200 refut Ares	By st sass. d. d. o o o o o o o o o o o o o o o o	Railw 2nd Class s. d 20 (21 (14 (9 (Times above	COAC VAY. S. S. Class S.	the hand of the ha	he year principal tood, wh leached, xported toanufact letailed mounts, White or Printed of Hosiery Twist an The primports	184 ly here, pi to ture acc, vi	4, reach consum, , by the rinted, all partes during the state ounts in the rinted and reach the rinted and reach the rinted and reach the rinted and reach the rinted and rinted	ed the direction of the second	of in he ye will he ye will he ye will he will	moun anche mach an in mach an in mach ar 184 ished,	Ya 2,5% 6,00	f 64 r am ry, i libly The i the l sach ards. 75,14 is i	6,8 dd t t is shexplate ed	74,816 he nei spun, ort tin orts o st as t the fe 8,7 1,1 23, nished	lbs ghb wo he as f co o wollo ecls 7ah 144, 185, 193, by	., is our- ven, gain tton hich wing red ie. 287 177 536 971 the
London to Birmin London to Brists London to South London to Brists Expenses on the for every 100 n And another Comparative State Comparative State London to Greenwich.	ngham ol amptin aton e road niles prrespond wes the fc STATEME By Inside Bus6 Coach 9	ilway than ilway than int of Tise Rallway. By Coach In. Outlide. sid	a by C a by C s s d d d d d d d d d d d	By st . d d d d d d d	By (122. Railw 2nd Class. s. d. (22) (21) (21) (21) (22) (21) (21) (21)	at it : COAC VAY. STATE STATE ST	the best of the be	he year principal tood, wh bleached, xported nanufact letailed mounts, White or Printed of Hosiery Twist an of which treat La	184 ly here, p to ture acc, vii	d, reach consume, by the rinted, all parties during ounts and cottle ounts and cottle ounts are consumered out of the cottle out of the co	trafficients traff	of in he ye will be ye	mount anche mache mache mache mache an inche mache an inche mache and inche ma	Yate 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	f 64 f an ry, i libly Phe the l the l tach ards. 21,12 is	6,8 d t t is shexplate ed	74,816 he nei spun, ort tin orts o spun, ort tin orts o stas t the file of the	lbs ghb wo he af co o wolloo ecla / alt / 24, 144, 085, 193, by lea con	., is our- yen, gain tton hich wing red te. 287 177 536 971 the and ater-
London to Birshi London to Brish London to Brish London to Brish London to Brigh Expenses on the for every 100 m And another Co Nov., 1842, giv Comparative S London to Greenwich Do. to Blackwall Do. to Brighton by Times coach	ngham ol amptin aton e road niles prrespond wes the fo STATEME By Inside Bus6 Coach 9 Bus6 16s.	ilway than ilway than int of Tise Rallway. By Coach In. Outlide. sid	a by C a by C s s d d d d d d d d d d d	By st d. D o o o o o o o o o o o o o o o o o o	Railw 2nd Class. S. de Class. 1 14 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	at it : COAC Vay. 3rr. Class. S	s tip photos to the state of th	white or rincipal work of the control of the contro	184 ly lere , p to ture acc , vi r pl or d and d y to to and d y to to and d y	4, reach consume, by the rinted, all part es during the country of the country of the country for the country	trafficients traff	of in he will be year in he will be wi	mounn anchement of the second	Yate of the property of the pr	f 64 f an ry, i libly Phe the l the l tach ards. 21,12 is	6,8 d t t is she explate ed	74,816 he nei spun, ort tin orts o stas t the following th	lbs ghb wo he as f co o woollo o woollo wollo wo	., is our- yen, gain tton hich wing red te. 287 177 536 971 the and ater-
London to Birmin London to Brist London to Suth for every 100 m And another Co Nov., 1842, giv Comparative S Compa	ngham ol amptin aton amptin aton e road niles 6 Coach 9 Bus 6 Coach 9 Bus 6 16s.	illway than int of T is of RAILWAY. Coach. Outside. January 1 is of the second of t	a by C a by C a by C be F, AAY IN t-t-t-t-t-t-t-t-t-t-t-t-t-t-t-t-t-t-t	oprocoach coach ARES v 184 By st asss. d. 0 0 0 0 0 d 6 2 0 d way e the BY By st asss. d. 1 0 0 6	Railw 2nd Class. d. d. 21 14 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	at it : COAC COAC Vay. Sn. Class. S. 142 S. 101 142 S.	the best of the be	he year by the principal tood, who leached, who leached, who leached annufact letailed amounts, white or Printed of Hosiery: The printed the prest Law of which prest Law ord, est tooints of these her	184 ly lere to to ture acc acd y r pl or d and d y to to table th to ads	4, reach, 4, reach, 5, by the rinted, 6, all partes duri all partes 5, by the constant 6, by the 6, constant 6, co	ed the ded in ded the ded in ded the ded in	of in he will be year in he will be wi	mount anche mach an inche mach and inche ma	Yate inerered in the rest of t	f 64 r an ry, i is the libly the lache ards. 75,16 55,00 21,17 is	6,8 d t t is she explate ed	74,816 to he nei spun, ort tin orts o stas t the fe stas t the fe spun, ort tin orts o stas t the fe spun, ort tin orts o stas t the fe stas t the fe stas t the fe spun, or tin orts o stas t the fe	lbs ghb wo he as f co o woollo o woollo wollo wo	and ater-ding amunder to to rom lin.

STATEMENT

OF THE NUMBER AND TONNAGE OF VESSELS, INCLUDING THEIR REPEATED VOYAGES, THAT ENTERED THE PORTS OF GREAT BRITAIN FROM IRELAND, AND THAT LEFT THE PORTS OF GREAT BRITAIN FOR IRELAND, WITH CARGOES, IN EACH YEAR FROM 1801 TO 1837.

Years.	INW	ARDS.	OUTV	VARDS.	Years.	INV	ARDS.	OUT	WARDS.
	Ships.	Tons.	Ships.	Tons.	7,000	Ships.	Tons.	Ships.	Tons.
1801	5,360	456,026	6,816	582,033	1819	8,575	699,885	9.751	795,495
1802	5,820	461,328	5,540	449,350	1820	9,229	783,750	8,451	734,716
1803	5,796	504,884	5,656	502,279	1821	9,440	819,648	9,266	801,007
1804	5,643	490,455	6,148	557,279	1822	9,562	832,927	9,935	828,114
1805	6,306	566,790	6,875	598,720	1823	9,382	786,637	9,937	814,383
1806	6,907	578,297	7,032	586,728	1824	7,534	615,396	10,989	905,449
1807	No not	urns can be p	nomend for t	hie woon	1825	8,922	741,182	10,981	922,355
1807	No rec	urns can be p		ms year.	1826	6,388	632,972	11,599	1,055,870
1808	8,477	768,264	7,560	696,473	1827	7,411	737,752	11,083	1,044,093
1809	7,041	600,898	7,011	580,587	1828	8,790	923,505	12,339	1,167,280
1810	8,403	713,087	9,121	763,488	1829	8,922	906,158	13.478	1,286,168
1811	9,014	789,097	8,216	703,738	1850	8,455	880,965	13,144	1,245,647
1812	10,812	925,736	10,053	867,342	1831	9,029	921,128	13,158	1,246,742
1813	8,569	718,851	9,096	773,286	1832	9,705	1,026,613	14,694	1,417,533
1814	7,562	613,898	8,719	715,171	1833	9,476	1,041,882	14,227	1,378,556
1815	8,462	680,333	9,602	776,313	1834	10,026	1,100,389	14,560	1,440,617
1816	7,575	621,273	8,861	721,772	1835	10,116	1,138,147	14,608	1,473,255
1817	9,186	770,547	9,539	762,770	1836	9,820	1,179,062	14 725	1,490,788
1818	7,969	644,896	8,863	763,622	1837	10,299	1,202,104	16,347	1,585,624

COMMERCIAL MARINE OF EUROPE AND THE UNITED STATES.

The following statement of the commercial navies of the European States, abridged from the Austrian Lloyd's, is copied from Hunt's (American) Merchan's Magazine for February, 1845. Referring to the last annual report of the Secretary of the Treasury of the United States, we find the whole tonnage to be 2,155,602 tons, that of Great Britain, as stated below, at 3,047,418 tons. It will therefore be seen, that the commercial navy of the United States is secondary to that of England:—

STATES.	SHIPS.	TONNAGE.	STATES,	SHIPS.	TONNAGE.
Great Britain	33,152	3,047,418	Norway and Sweden	5,450	471,772
United States	-	2,158,602	Denmark	3,036	153,408
France	13,835	589,517	Spain	2,700	80,000
Russia	242	50,706	Portugal	798	80,525
Austria	6,199	208,551	Sardinia	3,502	167,360
Prussia	835	222,094	Roman States	830	38,600
Hanover	454	56,682	Two Sicilies	9.174	213,198
Mecklenburgh	327	46,260	Lueca	180	20,000
Hamburgh	327	57,102	Tuscany	774	25,512
Bremen	215	53,052	Ionian Islands	2,183	48,662
Holland	1.195	376,084	Greece	3,069	147,558
Belgium	289	27.416	Turkey'	2,220	182,000

Abstract of the Tonnage, Dues, &c., of the Hartlepool Dock and Railway Company, FOR THE YEAR ENDING BIRT DECEMBER, 1841.

	Coals led in Tons.	Ships Loaded Tons register	Ships Refuge Tons register		Goods Landed.	Goods Led.	Coaches produced.	Sun- dries.	Haulage.	Total.
Half Year ending 30th June, 1841 Half Year ending 31st Dec., 1841	294,978 8-20 351,008 10-20		20,674 19,945	Tons 54,538 63,731	Tons. 9,050± 8,060±	Tons. 15,402½ 13,300		£ 8. p	1,250 9 7	£ 8. p. 19,153 9 3 22,625 16 6
Totals of Year ending 31st Dec., 1841 Totals of Year ending 31st Dec., 1840 Increase in 1841	645,986 18-20 461,049 18-20 184,937	423,325 310,968 112,357	40,619 48,572 7,953 Decra.	118,269 84,910 33,359	17,1102 26,8332 9,723 Decrs.	28,7021 43,5281 14,8261 Decrs.	4,138 7 1 1,913 13 7 2,224 13 6	26 0 0 17 10 0 8 10 0	2,303 10 6 3,712 7 0 1,408 16 6 Decrease.	41,779 5 6 32,524 2 5 9,255 3 6

The following statement shows the traffic of the Port of London, including the operations of the St. Katharine Dock Company:

Shipping entered the Port of London, with Cargoes, from Poreign Parts.

1	843.	1844.					
Ships.	Tons.	Ships.	Tons.				
6,138	1,306,738	6,852	1,356,614				

Increase in 1844, Ships 714; aggregate Register Tonnage, 49,876 tons.—Times, 22nd Jan., 1845.

ACCOUNT OF TONNAGE ON THE PONTYPOOL LINE OF CANAL, EXCLUSIVE OF THE BRECON CANAL TRADE, FROM THE 1st OF JANUARY TO THE 31st OF DECEMBER, 1844.

	Miles.	Tons.	Tons.
IRON.			
Blaenavon Iron Company, from Pontnewynydd to Newport	11	4.594	1
different places		52	1
Pentwyn and Golynos Iron Company, (now William Williams and Co.) Por	it-		1
newynydd to Newport	102 and 11	13,454	1
different places		222	1
	. 11	8,659	1
	9	985	T.
P. J. Planett Page different places	4.646	1,291 256	
R. J. Blewitt, Esq., different places	6	199	1
Mark Phillips, Esq., from Pontnewynydd to Newport	109	100	
Iron		100	29,812
COAL			20,012
Thomas Prothero, Esq., Pontymoyle to Newport	83 and 94	6,581	
I D Hanson Par O'I cales to Manager	51	5,177	
to different places		204	
Wm. S. Cartwright, Esq., Pontymoyle to Newport.	0.5	16,195	1
	111	19,205	1
to different places		5,423	1
	52	31,910	î
,, to different places		3,711	
	83	1,981	00.000
TIN PLATES.			90,387
Hanbury Leigh, Esq. Pontymoyle to Newport	83		2,146
IRON ORE.	04	****	2,140
Pentwyn and Golynos Iron Company, (now Wm. Williams and Co.) Newpo	ort		
Pontnewynydd		2,712	1
British and New British Iron Company, Newport to Pontnewynydd	ditto	3,501	1
Hanbury Leigh, Esq. Newport to Trosnant	92	4,036	
Iron Ore			10,249
LIMESTONE.			1
Pentwyn and Golynos Iron Company (now Wm. Williams and Co.) Newpo		2344	
to Pontnewynydd	11 and 114	1,886	1
Cwmbrane Iron Company, Newport to Cwmbrane		525	0.00
BRICKS, STONES, SLATES, &c.			2,411
From and to different places	W 100		10,421
TIMBER, SHOP GOODS, &c.		****	10,42
From Newport upwards to different places principally			7.165
tront steakers abunda to mineral bures bureshard it.			7,100
Total			152,591

The average time occupied is from 1 mile to 12 mile per hour.

The average cost per ton per mile of the principal articles conveyed by the Pontypool Canal is as follows:-

Iron.	Coal.	Secondary Merchandise.
24d.	12d.	From 3d. to 1s. according to bulk.

MERCHANDISE BY WATER.

BETWEEN	Description of Conveyance.	Tons Conveyed in 1844.
Glasgow and Liverpool Glasgow and London via Edinburgh Glasgow and Hull via Edinburgh Glasgow and Newcastle via Edinburgh Dumfries and Liverpool Annan and Liverpool Dumfries and Glasgow Edinburgh and Liverpool Glasgow and Whitehaven and Ulverstone Glasgow and Balerno, &c.	Steam Boat. ditto ditto ditto ditto ditto ditto ditto ditto ditto Craders. ditto ditto ditto	52,653 3,500 2,958 600 1,802 about 2,000 1,156 14,040 3,400 3,190
		85,299

A STATEMENT

OF THE QUANTITY OF THE UNDERMENTIONED ARTICLES OF MERCHANDISE CONVEYED BY
THE ROYAL CANAL, BETWEEN DUBLIN AND THE SEVERAL PLACES MENTIONED,
IN THE YEAR ENDING 31st DECEMBER, 1844.

To and from	l	CARRIED TO DUBLIN. CARRIED FROM DUBLIN.									
the following Places.	General Goods.	Grain.	Flour.	Meal and Butter and Eggs.	Total.	BaleGoods Porter and Ale.	Coal and Culm.	Total.	Total to and from Dublin.		
Shannon Longford Ballinacarig Ballymahon Mullingar	T. C. 106 0 110 0 2 4 272 11	T. C. 909 2 10,003 0 1,639 3 2,519 19 764 3	T. C.	T. C. T. C	T. c. 1,015 2 10,178 1 2,052 12 4,946 0 1,271 11	7. c. 3,209 10 8 6 28 12 119 2	T. C. 84 0 1,249 5 137 14 382 4 1,202 1	T. C. 84 U 4,458 15 146 0 360 16 1,321 3	T. c. 1,099 2 14,636 16 2,198 12 5,306 16 2,592 14		
Amounts	490 15	15,835 7	15 3	2,572 1 550 0	19,463 6	3,365 10	3,005 4	6,370 14	25,834 0		

Besides the above there were carried within the same period Black Cattle and Sheep 1:2 tons, Pigs 5,076 tons, together 5,188 tons; of which 1,110 tons were from Longford and the Shannon, and 3,964 tons from the other three places mentioned.

IRISH CATTLE.

Description of Live Stock.	Counties where fed, and Number of each kind of Stock, in 1841.	Proportion sent annually to Dublin,	Number sent annually to to Dublin.
Cattle	½ Mayo 40,429 Sligo 45,615 ≹ Roscommon 30,784 ½ Leitrim 30,281 Longford 23,064 ½ Westmeath 22,150 ¼ Meath 20,788	15 per cent. ,, ,, 20 per cent.	6,000 6,800 4,600 4,500 3,400 4,400 4,100
	Total number of Cattle		33,800
Sheep	4 Mayo 70,583 Sligo 32,391 Boscommon 60,347 4 Leitrim 6,392 Longford 13,458 4 Westmeath 51,817 4 Meath 29,848	20 per cent. ,, ,, ,, ,, 25 per cent.	14,000 6,490 12,000 1,200 2,700 12,900 7,400
	Total number of Sheep		56,600
Pigs	g Mayo 25,269 Sligo 21,768 g Roscommon 21,116 g Leitrim 14,542 Longford 17,971 g Westmeath 11,373 g Meath 8,348	33 per cent. ,, ,, ,, ,, ,, 50 per cent.	8,400 7,200 7,000 4,800 6,000 5,600 4,200
	Total number of Pigs	1	43,200

TRAFFIC IN COALS AND LIME.

THE QUANTITY OF COALS SHIPPED AT WORKINGTON FOR TEN MONTHS, ENDING MARCH 31st, 1845, WAS BY THE

	• •		s.	D.	£	s.	D.
Earl of Lonsdale, Clifton Colliery	 6,230	Waggons, at	4	4	1.849	16	8
Earl of Lonsdale, Clifton Colliery	2.194		5	2	752	15	8
J. W. Fletcher and Co., ditto ditto	2,448	"	6	6	795	12	ŏ
W. Thornburn and Co., Camerton ditto	9,405	"	4	Ř	2,196		
	0,400	"	•	•	_,	•	-

The quantity of Lime shipped at Workington from Brigham and Eaglesfield for the year 1844, was 59.565 1,240 18 9

A TABLE

SHEWING THE PRESENT AMOUNT OF TRAFFIC ON THE "LEEDS AND LIVERPOOL CANAL" BETWEEN THE SEVERAL PLACES MENTIONED BELOW, WITH THE AVERAGE CHARGES MADE FOR GOODS, &c., THEREON, AND TIME OCCUPIED BY THE BOATS PER HOUR.

	Annual Averag	e and Desc Canal is	ription o	f Traffic or	n the	age Carriers for the Cana					
TRAFFIC FROM AND TO	Coals, Coke, Lime, Stone, Iron, &c.	Cotton, Cotton- waste, Dye- woods, &c.	Timber	Malt, Flour, Grain, Oatmeal, &c.	Manufac tured Goods and General Merchan- dise.	Time occu- pied inMiles per Hour.	Flour Oat- meal, &c, perload	Manufac- tured Goods and General Merchan- dise. per cwt.	Coals, Stone, and Mine- rals.	Cotton, Groceries and General Merchan- dise.	
Liverpool & Skipton, &c. Liverpool & Marsden, &c. Liverpool and Burnley Liverpool and Huncote Liverpool and Enfield Liverpool and Church Manchester & Blackburn Blackburn and Burnley. Hapton and Alleytroyds. Burnley and Alleytroyds. Burnley and Enfield Burnley and Skipton &c. Enfield and Skipton &c. Enfield and Skipton and Burnley.	3,016 12,4534 2,340 1,820 16,614 676 46,410 1,716 468 37,102 7,358	780 312	TONS. 3,232½ 2,730 1,040 2,288 650 4,316	70NS, 5,676½ 2,175 1,222 1,196 4,160 1,456	70Ns. 37,490 1,040 9,160½ 520 7,228 11,908 884 2,506 1,040	24 miles per hour.	s. p. 1 6 1 3 Not 0 6	s. p. 0 9½ 0 9 as- certain'd 1 0 0 3 5d. per ton per mile.	Three farthings.	Three half-pence.	

GOODS.

TRAFFIC PASSING BETWEEN THE RIVER MERSEY AND PLACES SOUTH OF PRESTON BROOK, IN THE YEAR 1844.

				Traffic.						
		By what Routes conveyed.								
DESCRIPTION OF GOODS.	Mode of Transit	of Transit.			Via	Total				
	,			Via Anderton.	Ellesmere Port.	Amount of Traffic.				
Ale and Porter	Canal.	TONS. 3,936 244	TONS. 2,139	TONS.	TONS. 884	TONS. 4,820 2,383				
Crates		3,488 1,800 610	22,572 42,695 940	25,000 22,000		51,060 66,495 1,550				
Cotton. Grain Groceries	1111	1,058 10,130 8,560	1,411	****	416 4,368 8,216	1,474 15,909 16,776				
Glass Hardware and Tin	::::	7,918 13,879	1,007	****	16,276 71,344	7 24,194 86,230				
ron. ron Ore	::::	1,754	467	104	15,600 780 832	16,067 2,534 832				
ialtlates	****	956	6,559 2,923			7,515 2,923				
sundries, viz.—	Bet	2.102	2,121 1.000		3,300	2,121 6,402				
ones		152 2,010	131	510	223 2,110	506 5,201				
Prysalts Prugs rains	****	1,219 140 2,609	50	170 70 501	1,281 230 3,916	2,670 490 7,026				
fanufactured Goodsackets, contents not stated	****	8,090 167	70 3,264	92 8,657	11,753 2,615 15,756	20,005 14,703				
'imber Vool oda Ash	****	7,146 320	1,067		3,536	23,969 320 3,536				

TRAFFIC ON LIVERPOOL & MANCHESTER RAILWAY, FROM OPENING TO 1836. From 16 September to 31 December, 1830. 2 9 From 1 July to 31 December, 1831 From 1 January to 30 June, 1832. From I July to 2 From 1 July to 31 December, 1833. 2 From 1 July to 31 December, 1834. From 1 July to 31 December, 1835. From I January to 30 June, 1835. From 1 January 30 June, 1831. From 1 January 30 June, 1833. From 1 January 30 June, 1834. From 1 January 30 June, 1836. Merchandise between Liverpool and Man-Tons. 1,433 35,865 52,224 54,174 61,995 68,284 69,806 69,522 72,577 76,448 79,114 81,415 6,011 8,712 9,733 15,201 11,482 12,282 15,015 14,983 378 2,347 3,707 Between Liverpool and Bolton Junction...} 6,827 10,917 14,720 18,836 19,461 18,708 19,633 22,321 24,917 22,853 21,219 2,630 2,889 8,396 29,456 39,940 41,375 40,134 46,039 53,293 55,444 60,802 68,893 188,726 256,321 174,122 182,823 171,421 215,071 200676 235,961 205,741 268,106 71,951 202,848 Number of Trips— With Passengers..... 2,259 1,873 293 2,944 2,298 150 2,636 2,248 234 3,363 1,679 211 3,262 2,244 164 3,325 2,108 161 3,253 2,587 37 3,317 2,499 32 3,222 2,091 355 3,347 2,132 473 3,353 2,157 No Ac. With Goods 536 With Coal

Export o	f	the	Produce	of	British	Mines	in	1841.
----------	---	-----	---------	----	---------	-------	----	-------

COUNTRIES.	Coal.	including unwrought Steel.	Copper.	Tin.	Lead.
	Tons.	Tons.	Cwts.	Cwts.	Tons.
Russia	75,595	1,028	67	2,780	3,179
Sweden	26,700	182	351	179	139
Norway	15,207	489	19	16	98
Denmark	148,724	12,949	175	19	235
	115,501	26,214		132	121
Prussia			5 601		545
Germany	169,695	23,793	7,601	448	
Holland	171,242	36,245	2,169	461	2,097
Belgium	3,013	1,627	1,093	13	131
France	450,410	19,099	1,026	8,905	2,570
Portugal, Azores, and Madeira	28,977	11,485	2,752	397	240
Spain and the Canaries	34,786	7,343	1,032	433	57
Gibraltar	14,082	2,402	947	580	50
Italy	38,887	25,149	4,201	1,329	249
Malta	50,131	1.375	617	4	14
Ionian Islands	3,664	523	29	32	13
Kingdom of Greece	5,027	3,033	7.00	268	10
Turkey	48 059	5,664	245	4.061	74
Asia		.,,,,,	51,652	21	
Syria and Palestine	60	152	41,002	168	12
Africa		10-	1.831	77	
Egypt	21,122	537	1,001	"	
Tripoli, Tunis, Algiers, and Morocco	26,413	491		1	
Western Coast of Africa	2,440	1.909			
Cape of Good Hope	5,588	1,589		1	153
			****	****	100
Mauritius	3,670	1,812			0 917
East Indies and China	63,698		****	****	2,317
Australian Settlements	4,226	6,846	4+++	****	345
New Zealand	509	468	****	****	12
British North American Colonies	54,592	25,693	5,420	90	656
British West Indies	71,298	5,164	5,107	229	477
Foreign	22,292	5,245	3,768	217	65
United States of America	52,207	79,186	18,148	1,753	91
Texas	112	38	100		
Columbia		325	64	14	10
Brazil	14.166	4,421	6,256	517	504
States of the Rio de la Plata	4,034	3,305	12	168	29
Chill	4,575	681	400		4
Peru	2,288	698	224		7
Isles of Guernsey, Jersey, Alderney, and Man	78,564	2,486	3.298	24	109
All other Countries		36,735	26	5	366
TotalCoals	1,831,554	360,875	118,531	23,340	14,979
Cinders	16,514				
"Culm	216				
The second secon	1.848.294				

COAL AND COKE TONNAGE

ON THE GREAT NORTH OF ENGLAND RAILWAY FOR TWELVE MONTHS, BEING THE NUMBER OF TONS DELIVERED AT EACH OF THE UNDERMENTIONED COAL DEPOTS IN EACH MONTH FOR ONE YEAR, ENDING NOVEMBER 30TH, 1844.

	Darlington Bank Top.	Black Banks.	Croft.	Cowton.	North- allerton.	Ottering- ton.	Thirsk.	Sessay.	Raskelf.	Alne.	Tollerton.	Shipton.	York.	Total in each Mouth.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
December 1843	34	****	3351	3478	16803	139	14304	476	3804	4842	1992	874	41034	96684
January 1844	115	161	4181	2034	18854	1304	1161	392	3664	3333	214	168	4991	10,291
February ,,		31	6524	3561	19533	1553	11603	3153	3544	2314	2252	64	68054	12,278
March "	153		7443	4531	20754	1052	1099	3504	460	408	2861	122	77823	13,903
April ,,	23	223	230 4	24	745	383	480	1703	2023	931	156	202	2904	50921
May ,,	****	102	4485	113	1225	$62\frac{1}{2}$	7063	282	216	236	1373	55	16535	5268
June ,,	54	63	7892	384	23344	844	11774	3104	4411	2724	216	77	2874	8973
July "	3	201	7505	256	11792	884	784	3212	254	2234	1044	1045	46314	8721
August ,,		283	6551	3271	16704	733	9061	2763	3561	2234	1694	1174	62243	11,0304
September "	74	381	6634	3712	16344	963	832	2203	2793	2182	1223	1223	74745	12,064
October ,,	104	****	5463	4284	21732	147	1345	3663	4243	3044	229	1212	97943	15,8924
November "	6	****	5234	5214	2220	1044	11384	4674	5303	3354	2721	1574	11,4704	17,7463
Totals	654	2384	67582	37864	20,8083	12263	122211	3950	42663	33644	23333	11994	70,710	130,930

COAL AND COKE TONNAGE

ON THE STOCKTON AND DARLINGTON RAILWAY FOR THREE YEARS.

	DARLINGTON.	YARMOUTH.	STOCKTON.
1841 1842 1843	Tons. 27,040 22,939 19,400	Tons. 15,114 11,864 13,384	Tons. 21,629 20,526 19,544
Totals	69,379	40,362	61,699
Averages	23,126	13,454	20,566

AN ACCOUNT

Of the Quantities of Malt on which Duty has been charged, in England, Ireland, and Scotland, in each of the Years ending 5th April, from 1810 to 1840.

Years	Number of	Imperial Bu	shels charge	d with Duty
ending 5th April	England.	Ireland.	Scotland.	TOTAL.
1810	23,541,291	3,033,302	784,527	27,359,120
1811	25,979,328	2,437,859	968,100	29,385,287
1812	22,066,782	2 637,341	893,707	25,597,830
1813	18,945,766	2,159,326	658,657	21,763,749
1814	23,656,035	3,342,512	1,130,042	28,128,589
1815	26,349,263	3,025,066	1,319,472	30,693,801
1816	26,856,102	2,232,406	1,258,061	30,346,569
1817	17,820,324	1,680,219	1,142,539	20,643,082
1818	24,217,175	1,403,336	1,167,619	26,788,130
1819	22,325,607	1,879,082	1,442,613	25,647,302
1820	24,739,371	1,734,647	1,400,309	27,874,327
1821	26,084,730	1,869,758	1,225,883	29,180,371
1822	24,848,630	1,822,125	1,077,536	27,748,291
1823	27,312,755	1,811,490	1,429,188	30,553,433
1824	26,064,802	1,840,196	2,014,835	29,919,833
1825	27,887,092	2,279,188	2,784,477	32,050,757
1826	29,181,241	2,701,358	3,724,919	35,607,518
1827	25,342,913	2,142,530	2,490,067	29,975,510
1828	28,738,524	2,049,642	3,194,336	33,982,502
1829	28,217,125	2,266,226	3,713,490	34,196,841
1830	22,821,035	2,079,468	3,944,406	28,844,909
1831	29,079,758	1,892,082	4,089,127	35,060,967
1832	34,115,332	2.115,435	4,105,377	40,336,144
1833	32,249,892	1,970,058	3,767,242	37,987,192
1834	34,061,263	2.049,407	4,406,913	40,517,583
1835	34,072,665	2,152,138	4,437,220	40,662,023
1836	38,261,833	2,511,231	4,736,449	45,509,513
1837	35,657,887	2,268,475	4,751,594	42,677,956
1838	33,620,593	2,279,069	4,480,792	40,380,454
1839	33,687,302	2,101,744	4,567,083	40,356,129
1840	34,086,055	1,604,307	4,309,656	40,000,018
1841	******		1	42,093,966
1842				34,418,544

THE NUMBERS OF CATTLE AND SHEEP

Sold in Smithfield Market, in each of the twenty-two years, from 1821 to 1842.

Years.	Cattle.	Sheep.	Years.	Cattle.	Sheep.
1821	129,125	1,107,230	1832	158,640	1,257,180
1822	142,043	1,340,160	1833	152,093	1,167,820
1823	149,552	1,264,920	1834	162,485	1,237,360
1824	163,615	1,239,720	1835	170,325	1,381,540
1825	156,985	1,130,310	1836	164,351	1,219,510
1826	143,460	1,270,530	1837	172,435	1,329,010
1827	138,363	1,335,100	1838	183,362	1,403,400
1828	147,968	1,288,460	1839	180,780	1,360,250
1829	158,313	1,240,300	1840	177.497	1,371,870
1830	159,907	1,287,070	1841	166,922	1,310,220
1831	148,168	1,189,010	1842	175,347	1,468,960

COALS.

The Coals brought to London during the same Years have increased materially in quantity, owing partly to the introduction of gas-lighting, and partly also to the great extension of the employment of steam vessels.

Years	Tons.	Years.	Tons,	Years.	Tons.
1821	1.744.914	1829	2,095,420	1837	2,629,321
1822	1,667,307	1830	2,116,023	1838	2,582,770
1823	1,936,891	1831	2,053,673	1839	2,638,256
1824	1,982,032	1832	2,149,820	1840	2,589,087
1825	1,921,091	1833	2,014,804	1841	2,902,674
1826	2,103,498	1834	2,080,547	1842	2,754,719
1827	1,874,610	1835	2,299,816		10000000
1828	1,893,083	1836	2,399,551		

A TABLE

Shewing the present Amount of Traffic by Land & Water on the Ancholme Navigation.

	By		Annual Number of Tons of Goods,	Average.	
Description of Traffic.	Land or Water	Mode of Transit.	&c. passing various distances, averaged in 1844.	Charge per Ton per mile.	Time occupied in Miles per hour.
Coals and Coke Lime, Stone, Iron, &c. Linseed Oil Cake, &c. Grain, Flour, and Malt Timber Fruit and Vegetables. General Merchandise Cows, Oxen, &c. Sheep and Swine	ditto	Waggons and Carts ditto ditto ditto ditto ditto ditto ditto ditto	15,902 13-20ths 2,012 8-20ths 5,252 3-5ths 47,372 20ths 2,112 11-20ths 1,071 17-20ths 8,629 7-20ths 43,462 56,497	>11d. by the Carriers.	Miles.
Coals and Coke Lime, Stone, Iron, &c. Linseed Oil Cake, &c. Grain, Flour, and Malt Timber Wool, Flax, &c Younder and Vegetables General Merchandise Cows, Oxen, &c Sheep and Swine	ditto ditto ditto ditto ditto ditto	Canal & River Boats ditto		Per Ton. S. D. 7 0 From Yorkshire Pitts to Brigg. 9 0 From Yorkshire to Grimsby. 6 0 6 9 3 6 8 4 From Hull to Gainsborough.	2½ by Canal Boats, 7bySteam Boats, River,&c. Sailing Boats dependant on Wind.

Tonnage Dues on the Ancholme Navigation in 1844.

At Ferriby.	For the use of the Navigation.	For each Lock passed through.
Coals, 3d. per chaldron	ld. per chaldron per mile. 1d. per chaldron per mile. 04d. per ton per mile. 1d. per ton per mile. 1d. per thousand per mile. 04d. per ton per mile. 04d. per quarter per mile. 04d. per quarter per mile.	2d. per chaldron 0åd. per chaldron 0åd. per ton

STATEMENT OF THE QUANTITY OF VARIOUS KINDS OF GRAIN AND MEAL BROUGHT INTO GREAT BRITAIN FROM IRELAND, IN EACH YEAR, FROM 1815 TO 1836.

Years.	Wheat and Wheat Flour.	Barley and Barley Meal.	Rye.	Oats and Oatmeal.	Indian Corn.	Beans.	Peas.	Total of Grain and Meal.
	Qrs.	Qrs.	Qrs.	Qrs.	Qrs.	Qrs.	Qrs.	Qrs.
1815	189,544	27,108	207	597,537		6,7		821,192
1816	121,631	62,254	43	683,714	1004	6,2		873,865
1817	59,025	26,766	614	611,117		2,2		699,809
1818	108,230	25,387	4	1,069,385		4,8		1,207,851
1819	154,031	20,311	2	789,613		3,9		967,861
1820	404,747	87,095	134	916,250	1	8,8		1,417,120
1821	569,700	82,884	550	1,162,249		7,4		1,822,816
1822	463,004	22,532	353	569,237	200	7,9		1,063,089
1823	400,068	19,274	198	1,102,487	Pero II	6,1		1,528,153
1824	356,408	45,872	112	1,225,085		6,5		1,634,024
1825	396,018	165,082	220	1,629,856	600	12,7	86	2,203,962
1826	314,851	64.885	77	1,303,734	1.00	7,190	1,452	1,692,189
1827	405,255	67,791	256	1,343,267	1765	10,037	1,372	1,829,743
1828	652,584	84,204	1424	2,075,631	280	7,068	4,944	2,826,135
1829	519,493	97,140	568	1,673,628	39	10,444	4,503	2,305,806
1830	529,717	189,745	414	1,471,252	28	19,053	2,520	2,212,729
1831	557,520	185,409	515	1,655,934	563	15,039	4,663	2,419,643
1832	572,586	123,068	294	1,890,321	3037	14,512	1,916	2,605,734
1833	844,201	107,519	167	1,762,519	117	19,103	2,645	2,736,281
1834	779,504	217,568	982	1,713,971	75	18,770	2,176	2,733,046
1835	661,773	156,176	614	1,813,101	1	24,234	3,447	2,659,345
1836	598,756	182,867	483	2,126,693		17,603	2,920	2,929,322

TXCISE. TOTAL QUANTITIES CHARGED, WITH DUTY OF EACH, OF THE FOLLOWING ARTICLES, IN STATED THROUGHOUT IN IMPERIAL MEASURE.	S CHARGE	ты, мітн	DUTY OF P	EACH, OF	EXCISE OF THE FOLLOWIN	SE.	RTICLES, I MEASURE	N ENGLAN	ENGLAND, SCOTLAND, AND IRELAND,	AND, AND	IRELAND	
ARTICLES,	1818.	1819.	1830.	1821.	1822.	1823.	1894.	1825.	1826.	1827.	1828.	1829.
Beer, including Strong, Table, Inter- mediate, and Importedin barrels Do. Scotland.	7,508,246	7,173,464	7,186,899	7,498,950	7,879,050	7,886,625	8,221,912	8,629,308	8,310,008	7,954,071	8,165,112	7,398,852
Bricks Do. Scotland	952,166,696	1,101,625,352	949,224,589	899,178,510	1,019,501,482	1,244,718,322	1,463,230,999	1,948,974,501	1,350,330,826	1,103,379,404	1,078,937,640	1,109,690,702
Tiles. do. Do. Scotland do.	87,482,023	95,898,854	81,924,626 1,570,571	71,177,785	72,090,056	3,707,660	86,716,751	94,349,445	96,054,986	88,801,157	76,751,076	74,808,717
Sonp	72,019,957	76,096,880 9,731,708	79,312,603	86,038,810	90,860,909	94,110,480	97,941,630	99,888,757	93,308,948	101,873,400	105,446,552	100,067,182
Starch do. Do. Scotland do.	4,302,137	4,225,064	4,384,493	4,624,059	5,762,213	5,175,092 564,802	4,925,432	6,074,513 560,001	5,698,097	6,756,936	6,998,245	5,554,874
n oil de cabic	46,140,919 163,718 4,455,025 1,1352 1,113,245	46,542,555 150,347 4,501,286 1,673 1,070,470	44,847,238 141,636 4,381,736 1,304 987,700	45,129,080 157,962 4,282,190 778 903,966	46,285,871 160,465 4,684,219 7719 840,127	51,550,841 174,860 5,612,888 1,105 761,682	56,445,600 189,951 6,519,943 994 840,703	65,277,961 181,033 6,689,697	46,332,063 137,591 5,506,427 486	48,347,138 142,900 5,778,898	50,996,723 153,505 6,067,141	46,810,314 129,599 6,012,151 555
Do. Ireland	3,452	3,525	3,784	3,360	4,094	3,688	3,825	0,387,002	7,539,931	7,325,630	7,979,958	5,820,788
Matt bos Scotland do. Do. Ireland do.	24,629,839 1,390,515 1,783,636	22,612,290 1,454,320 1,742,444	23,884,242 1,182,908 1,798,671	26,138,438 1,305,659 1,949,315	26,688,513 1,403,177 1,756,391	24,845,152 1,616,590 1,706,916	27,615,383 2,788,608 2,169,999	29.572,742 3,925,847 2,797,254	27,335,971 2,726,555 2,406,569	25,096,337 2,714,073 1,806,795	30,517,819 3,867,159 2,.03,542	28,428,074 3,712,962 2,012,639
Candice, Tallow, Wax, and Sperma- ceri Do. Scotland. do. do.	78,695,417	88,571,728 4,743,438	84,567,116	89,514,469	94,353,910	98,487,110	105,304,191 5,445,914	108,995,817 6,251,480	104,751,768	109,873,960 6,005,550	5,060,769	110,473,738
Coffee do. Do. Scotland do. Do. Ireland do.	7,510,116	7,021,612 407,740 361,431	6,582,861 313,425 207,123	7,007,273 320,010 265,718	7,041,592 362,612 265,147	7,821,845 387,400 245,655	7,488,014 505,026 209,883	10,221,394 644,718 316,868	12,076,753 651,474 475,006	14,151,130 829,507 585,739	15,709,572 831,675 592,386	17,808,317
Tea Gottand do. Do. Scottand do. Do. Ireland do.	2,569,431	3,236,498	3,150,344	22,894,656 26 3,493,960	23,911,866 314 3,816,966	23,762,457 13 3,367,710	3,387,510	3,889,658	25,238,048 19 3,807,785	3,887,956	2,515,159	29,495,195
Paper do. Do. Scottand do. Do. Ireland do.	41,111,281 4,136,566 1,5-13,927	38,465,752 4,084,858 1,679,680	4,444,541 4,382,963 1,389,488	42,458,109 4,794,691 1,568,642	45,149,669 5,119,248 1,611,030	47,131,310 5,499,480 1,583,821	50,224,752 5,582,079 1,964,118	52,294,698 6,394,124 3,418,111	42,121,886 5,017,911 2,605,196	51,197,617 6,452,944 2,389,706	54,750,018 7,552,022 2,242,763	50,163,185 7,162,385 2,079,129
Millboard, Pasteboard, &ccwt. Do. Scotland Do. Ireland	34,187	30,448 3,079 312	31,161 2,943 295	32,807 3,155 196	85,530 8,224 200 200 200 200 200 200 200 200 200	34,842 5,207 192	39,517 3,8113 198	42,322 5,489 582	31,145 4,168 284	37,751 5,301 198	42,532 6,302 310	37,742
Printed Goods, including Paper, Calicose Lineus, and Silks. 194s. Do. Scotland. do. Do. Ireland (Paper) Ibs.	94,806,153 17,977,310 216,725	75,981,350 12,500,068 220,666	91,829,644 14,827,794 183,417	98,943,090 16,522,944 202,007	99,711,738 18,496,975 233,364	104,480,084 19,362,659 257,621	120,434,322 24,928,962 315,472	124,122,601 24,718,943 432,108	86,469,598 15,634,127 325,566	123,132,328 22,895,848 284,800	120,701,306 25,994,976 370,860	110,304,149 26,114,305 344,158
British Spirits gal. Do. Scotland do. Do. Ireland do.	4,870,068 1,931,765 3,427,479	3,839,357 1,986,122 2,941,913	3,967,406	3,820,015 2,239,435 2,649,170	4,346,348 2,079,556 2,328,387	3,521,586 2,332,738 3,348,505	4,067,233 4,350,301 6,690,315	3,443,553 5,981,550 9,262,744	7,407,202 3,988,788 6,887,408	6,671,560 4,752,199 8,260,918	7,759,687 5,716,180 9,987,903	7,700,766 6,777,980 9,212,234
Tobacco Do. Scotland Do. Ireland do.	12,131,916 1,696,485 4,196,192	11,456,256 1,599,946 3,463,313	11,757,961 1,377,603 2,580,804	11,602,399 1,466,303 2,607,895	11,510,113 1,519,109 3,323,371	11,875,237 1,621,834 3,688,014	1,584,032 1,585,069 3,752,634	12,700,736 1,900,413 4,160,049	12,944,819 1,593,522 3,898,628	12,979,005 1,804,760 4,041,171	12,860,337	13,020,235 1,820,135 4,125,296
										ı	I	

Traffic estimated to pass on the following Railways, given in evidence by the promoters before obtaining their act.

NAME OF RAILWAY.	Passengers along the pro- posed line by Coaches, &c.	Number of Cattle.	Number of Sheep.	Num- ber of Swine	Merchandise by Waggons, &c.	Merchandise by Water.	Agricultural Produce.	Coals by Land.	Coals by Water.
Birmingham and Derby Junction Birmingham and Gloucester Hull and Selby Bristol and Exeter Cheltenham and Great Western Sheffield and Rotherham. North Midland Midland Counties Manchester and Leeds. York and North Midland South Eastern (London and Dover). Eastern Counties London and Cambridge Manchester and Cheshire London and Brighton Edinburgh, Letth, and Newhaven. Dundee and Arbroath Blackwall. { By Coaches By Steam-boats Great North of England (Harworth & York) Chester and Crewe Great Western Lancaster and Preston. Sheffield and Manchester Glasgow and Ayr Chester and Mrevoool	No. 145,749 210,125 195,662 170,208 246,013 175,109 149,812 255,424 207,688 185,660 317,252 1,449,736 591,344 3439 226,444 3,877,131 200,727 932,731 1,057,742 1,057,742 1,057,742 1,057,742	:	No. 27,105 8,304 85,000 55,510 110,600 433,300 533,520 28,000 30,000	No	Tons. 14,547 29,020 33,618 36,374 124,350 12,948 109,486 5,547 72,214 22,728 43,765 282,326 17,378 85,244 84,050 121,027 82,780	Tons. 188,006 93,873 22,025 106,223 67,732 189,020 58,216 223,600 183,634 163,618 104,948 13,011	Tons. 11,401 38,318 3,950 18,200	76,500	Tons. 60,000 60,452 98,000 85,917

The comparative Cost of Goods and Passengers on Canals and upon Railroads, both with Horse and with Locomotive Power on the latter.

CAN	ALS,-	HORSE P	OWER.	RAILE	ROADS	HORSE	POWER.	RAII	WAY	s.—Loco	MOTIVE I	POWER.
Rate of speed in miles per hour.	Resistance per ton in lbs.	Cost of Haulage and Boat Hire per ton per mile.	Cost of Convey- ance per ton per mile.	Rate of speed in miles per hour.	Resistance per ton per mile.	Cost of Haulage and Carriages per ton per mile.	Cost of Convey- ance per ton per mile.	Rate of speed in miles per hour.	Resistance per ton in lbs.	Cost of Haulage and Carriages per ton per mile.	Cost of Convey- ance per ton per mile.	Charges of Convey- ance per ton per mile.
2½ 4	2·73 7·07	0·5d. 1·16d.	1·36d. 3·5d.	23 - 4	8·5 8·5	0·75d. 1·127d.	1·65d. 3·627d.	8 12	8·5 8·5	0·565d. 0·727d. Haulage.	1·065d. { 2·138d.	1·065d. 1·565d. 3·5d.
10	56.8	0·275d.per passenger, 3·5d. per ton.		10	8.5	0·25d. per passenger, 2·24d. per ton.	per pas-	20	8:5	0°25d. per pas- senger. 0°73d. per ton.	0.675d. per pas- senger, 2.855d. per ton.	ld. to 14d. per pas- senger, 12:37d. per ton.

THE COST OF CONVEYING GOODS AND PASSENGERS ON CANALS, At different rates of Speed.

Description of	Rate of Resistance,		Cost of	Cost of	General	Aggregate Charges.		
Boats.	Speed in miles per hour	per ton, in lbs.	Haulage per ton per mile.	Boat-hire,&c per ton per mile.	Expenses per ton per mile.	Useful Load per ton per mile.	Gross Load per ton per mile.	
Slow Boats Fly Boats	2½ 4	2·73 7·07	0·18 0·5	D. 0.32 0.66	0.86 2.34	D. 1:36 3:5	D. 1·02 2·275	
Swift Boats	10	56.8	0.275 per passenger, 3.5 per ton.	}	9.7	1.08 per passenger, 13.25 per ton.	} 10. per ton.	

THE FOLLOWING TABLE

Exhibits the quantities of White and Rock Salt sent down the river Weaver in each year from 1803 to 1835. If to the quantity here stated 100,000 tons of white salt are added annually for the produce of springs in other counties, and for that part of the Cheshire Salt which is not sent to Liverpool, it is probable that the total produce of this mineral in England will be very nearly ascertained.

Years.	Rock Salt.	White Salt.	Total.	Years.	Rock Salt.	White Salt.	Total.
	Tons.	Tons.	Tons.		Tons,	Tons.	Tons,
1803	57,699	122,537	180,236	1820	82,956	188,808	271,764
1804	57,087	126,775	183,862	1821	91,867	147,822	239,689
1805	60,830	180,498	241,328	1822	110,785	151,431	262,216
1806	52,620	157,124	209,744	1823	125,658	170,401	296,059
1807	54,187	180,165	234,352	1824	121,459	162,365	283,824
1808	47,916	123,698	171,609	1825	89,551	252,876	842,427
1809	63,520	192,590	256,110	1826	51,522	232,026	283,528
1810	50,564	205,800	256,364	1827	45,829	271,585	317,364
1811	49,277	120,487	169,764	1828	66,888	289,225	356,108
1812	54,140	159,364	213,504	1829	82,830	321,462	404,292
1813	47,230	149.074	196,304	1880	97,077	336,245	433,822
1814	101,075	233,249	334.324	1831	90,742	301,679	392,421
1815	88,741	236,373	325,114	1832	94,400	345,896	440,296
1816	74,286	121,728	196,014	1833	95,706	383,669	479,375
1817	59,446	148,709	208,155	1834	82,179	376,220	458,399
1818	93,582	214,931	308,513	1835	61,505	298,543	360,048
1819	85.935	179,939	265,874	,	i	1	

Quantity of Coals passing by Inland Navigation and by Rail-Roads in different parts of the Country, in 1816.

In Yorkshire	967,406	chaldrons, or	2,563,626	tons.
Derbyshire	855,554	,,	942,218	••
Nottinghamshire	186,666	**	494,665	,,
Leicestershire	66,666	,,	176,665	,,
Warwickshire	162,962	,,	431,849	,,
Staffordshire	800,000		795,000	"

Quantity carried by Canals and Railways 10,808,046 tons

An Account of the Inland Navigation to and from Liverpool, For the Years 1786, 1787, and 1788.

On the Lancashire end of the Leeds Canal there were employed, between Liverpool and Wigan, eighty-nine Boats, of thirty-five to forty tons burthen each; which brought to Liverpool in the years—

			1786.	1787.	1788.
viz.	Coals Flags, Slates, and Millstones Merchandize Oak Timber	Tons. Do. Do. Feet.	91,249 8,944 347 17,403	98,248 2,561 393 17,986	109,202 3,613 495 13,589
Took from thence—	Merchandize Limestone and Bricks Lime and Manure Pine Timber	Tons. Do. Do. Feet.	3,886 2,245 10,213 160,766	4,610 2,064 11,129 198,706	4,257 1,429 12,224 158,006
Between Liverpool a brought And took back	and the river Douglas 36 boats were employed, which Coals	Tons- Do.	16,724 4,589	22,592 6,164	20,706 5,921
which was divi	vessels employed on the Sankey Canal, the business of ded between Liverpool, Northwich, and Warrington,	Tons.	74,289	98,356	115,828

Between Liverpool on the river Mersey, and Northwich and Winsford on the Weaver, 110 vessels were employed in carrying timber, salt, coals, and merchandise, to the amount of 164,000 tons annually.

Between Liverpool and Manchester there were employed, on the old navigation, twenty-five boats of fifty-five tons each, which made generally three trips every two spring tides; or, upon an average, allowing for delays from bad weathers, thirty-six trips each in a year.

There were also on the Duke of Bridgewater's caual, which communicates with the Staffordshire canal, forty-two boats employed, of fifty tons each, which made on an average three trips to Liverpool every fourteen days: ten boats were added to this part of the navigation in the summer.

QUANTITIES OF SUGAR

OF THE SEVERAL SORTS RETAINED FOR CONSUMPTION WITHIN THE UNITED KINGDOM, WITH THE NET REVENUE ACCRUING THEREFROM, IN EACH YEAR FROM 1815 TO 1840 INCLUSIVE.

			Sugar retaine in the United		l Consumption		Average Prices of British
Years.	Total Quantity Imported.	British Plantation.	East India.	Foreign,	Total Quantity retained for Home Consumption.	Net Revenue from Duties on Sugar.	From the London Gazette
1815 1816 1817 1818 1819 1820 1821 1822 1823 1824	CWTS. 4,134,335 3,880,149 3,911,161 4,075,806 4,198,515 4,209,676 4,373,166 3,774,386 4,201,706 4,412,650	CWTS. 2,131,030 2,446,458 3,267,034 1,701,421 2,720,609 2,816,788 2,936,411 2,851,678 3,125,907 3,214,701	CWTS. 43,041 33,980 27,332 25,056 100,046 84,795 120,203 137,092 102,901 152,673	CWTS. 37,228 49,493 4,575 419 245 281 268 287 183 50	CWTS. 2.211,299 2,529,931 3,298,941 1,726,896 2,820,900 2,901,864 3,056,882 2,989,057 3,228,991 3,367,424	£,3454,338 3,612,193 4,433,926 2,751,107 3,996,543 3,925,387 4,188,958 4,060,444 4,407,410 4,641,904	s. b. 61 10 48 7 49 8 50 0 41 4 36 2 33 2 31 0 32 11 31 6
1825 1826 1827 1828 1829 1830 1831 1832 1833 1834 1835 1836 1837 1838	3,908,135 4,419,095 4,110,018 4,968,020 4,856,393 4,916,004 5,366,262 4,867,749 4,739,202 4,743,414 4,448,267 4,649,161 4,482,578 5,030,374 4,678,219	British Plantation and Mauritius. 2,972,623 3,430,652 3,270,885 3,504,164 3,421,409 3,590,041 3,667,396 3,575,329 3,553,450 3,620,522 3,757,851 3,378,144 3,684,712 3,491,225 3,348,298	British East India. 107,200 143,312 69,856 97,244 118,400 131,979 113,536 79,600 98,283 121,007 98,680 110,522 270,055 448,375 477,252	25 26 186 11 11 12 24 79 605 71 50 31 33 43 65	3,079,848 3,573,990 3,340,927 3,601,419 3,539,821 3,722,044 3,781,01 3,655,534 3,651,894 3,741,679 3,856,562 3,483,399 3,954,810 3,909,665 3,825,599	4,176,655 4,950,991 4,650,192 5,002,297 4,896,242 4,650,590 4,394,338 4,414,302 4,559,392 4,667,900 4,184,165 4,760,565 4,656,892 4,586,936	38 6 30 7 35 9 31 8 28 7 24 11 23 8 27 8 29 8 29 5 33 5 40 10 34 7 33 8 39 2

The following Table shews the average Expense of Working the Liverpool and Manchester Railway, from the Year 1831 to 1834.

Heads of Charge.		ise per ton mile.	Passe	ngers.	Aggregate Cost per ton per mile.	
neads of charge.	Useful load or of goods.	Gross Load.	Per Passnger per mile.	Per ton per mile gross.	Useful load or of goods.	Gross lo ad
Locomotive Power Maintenance of Railway Coaching Conducting Coaching Duty on Passengers Carrying Upholding Waggons Conducting Traffic Conducting Traffic	0.55 0.307 0.227 1.08 0.354	0·36 0·233 ···· 0·159 0·76 0·248	0·27 0·085 0·085 0·054 0·104 0·071	0.73 0.233 0.146 0.282 0.216	0.73 0.307 0.082 0.158 0.094 0.463 0.354	0. 0·51 0·233 0·058 0·111 0·067 0·324 0·248
Total Cost	2.518	1.760	0.675	1.855	2.188	1.551

The Annual Cost of Private Railways, deduced from the Cost upon the Stockton and Darlington, the Seaham and Clarence, and other Railways.

	Cost per ton per mile.		
Heads of Charge.	Useful Load.	Gross Load.	
Locomotive Power, or Haulage Maintenance of Railway Upholding Waggons, including loading and unloading Coals General Expenses	D. 0·380 0·208 0·265 0·100	D. 0·191 0·104 0·133 0·051	
Total Cost	0.953	0.479	

The Operation of the Copper Produce of Foreign Ores upon our Foreign Copper Trade.

COPPER EXPORTED:-

Years ending	Wroug	Wrought.		Unwre	night.	Total. To all parts.	
rears enuing	To all p	arts.	To India.		To all parts.		
5th January, 1825 1826 1827 1828 1829 1830 1831 1882 1833 1834	TONS 5327 6172 5171 5855 5417		18 24 22 21 17	NS	130 1329 1079 2682 3150 3714 4569 4019	3,009 9,222 8,885 10,424 9,436	
1835 1836 1837	4787 5948 6105		19	104 193 188	5283 5985 3909	10,072 11,883 10,014	

PRODUCTION OF COPPER IN GREAT BRITAIN:-

Years.	Ores.	Metal.
	TONS.	TONS.
1771—1781	28,185	8,880
1781-1791	32,854	4,123
1791—1801	48,084	4.083
1801—1811	67,533	6,060
	78,237	7.181
1811—1816		
1816	83,058	7,045
1817	75,016	6,608
1818	80,525	6,714
1819	92,234	7,214
1820	92,672	7.864
1821	98,803	8,163
	106,723	9,831
1822		
1826	128,459	
1827		12,881
1828	153,600	12,169
1829	••••	11,994
1 1830	••••	18,097
1831		14,480
1832	••••	14,468
1 1002	••••	1 479/900

Quantity of Copper produced in the several Districts of Great Britain and Ireland.

With Ores from	1828.	1829.	1830.	1831,	1882.
Cornwall	TONS. 1,966 434 71 788 259 706	TONS. 9,763 318 36 901 172 790 4	TONS. 10,899 368 10 815 287 768 9	TONS. 12,218 312 31 809 123 972 15	TONS. 12,099 249 42 852 237 974 12
Total Copper from the Ores of the United Kingdom Copper smelted from Foreign Ores	12,169	11,994 30	13,097 124	14,480 100	14,465 56
General Total	12,169	12,024	13,221	14,580	14,521

STATISTICS OF COFFER FOR CORNWALL IN 1837.—The total quantity of ore sold was 142,089 tons (of 21 cwts.), yielding an average produce of eight per cent., the quantity of fine copper being 11,209 tons 1 cwt; and the average price of the ore £5 15a. 6d.; the total amount of the sales for the twelve months being £622,516. The standard upon the 5th of January was £127 16s.; this was the highest for the year. Upon the 22nd of June it was at the lowest, being only £93 18s. It went up again to £120 10s. upon the 5th of October; but declined with some slight fluctuation to £107 18s. upon the 22th of December. The largest quantity sold at any one ticketing, was 4,670 tons, upon the 4th of May: and the smallest 1,088, upon the 17th of August. The highest produce was nine and five-eighths per cent., upon the 13th of July; and the lowest, seven, upon the 26th of January. The greatest weekly total was £25,887, upon the 2nd of November; and the least £5694, upon the 17th of August. The average sum per week was £15,817.

Table of the Produce of Copper Ores and Fine Metal in Cornwall, From 1800 to 1830.

ears.	Ores.	Metal.		Value of Ore.			Metal.	Avera	ge Sta	ndard.
	Tons of 21 Cwts.	Tons.	Cwt.				Per Cent. of Ore.		e per 7	
1000	55.000	5187	0	€ 550,925	8. 0	d. 0	0.1	₽ € 133	s. 3	đ.
1800	55,981	5268	ő	476.313	ŏ	X	94	117	8	Ň
1801	56,611		15		ŏ	X	92	110	18	V
1802	53,937	5228	18	445,094	11	X		136	5	Ä
1804	64,637	5374	10	507,84)	6	X	9 <u>1</u> 94 84 84	138	2	Ň
1806	79,269	6863	13	730,845	10	Ň	108	100	2	V
1808	67,867	6795		495,303	10	X		132	· /	ŏ
1810	66,048	5682	19	570,035	8 6	X	84 91 84 85 77	111	õ	ŏ
1812	71,547	6720	7	549,665	10	,	98		12	
1814	74,322	6369	13	627,501		Ň	89	180		0
1816	77,334	6697	4	447,959	17	Ň	58	98	13	0
1818	86,174	6849	7	686,005	12	Ň	1	134	15	0
1820	91,473	7508	0	602,441	12	0	81 84	113	15	0
1822	104,523	9140	8	663 085	13	Ų	[82	104	0	0
1824	99,700	7823	15	587,178	Ü	Ų		110	0	0
1826	117,308	9026	12	788,971	15	0	! 78	123	3	0
1828	130,366	9921	1	756,174	16	0	7 6 7 6 7 6 7 8 7 8	112	.7	0
1829	124,502	9656	10	717,894	0	•	1 7	109	14	0
1830	143,296	11,224	19	887,900	0	0	72	114	4	0
1834 1835	150,617	12,271	14	893,402	15	.e	81	106	11	0

Produce of Copper Mines in Cornwall (on the authority of John Taylor, Esq., F.R.S.)

Years.	Ore.	Metal.	Value.	Produce.	Standard.
1831 1832 1833 1834	Tons. 144,402 187,357 138.300 143 296	Tons. 12,044 11,948 11,191 11,226	# s. d. 806,090 15 6 825,612 6 0 858,708 10 0 887,902 9 0	Per Cwt. 81 81 81 73	100 100 111 114
1835 1836 1837	150,617 140,981 140,753	12,270 11,647 10,832	893,402 14 0 957,752 8 6 998,613 15 0	81 81 71	106 115 120

THE AVERAGE RATES CHARGED BY THE CARRIERS

FOR THE CARRIAGE OF GOODS OR MERCHANDIZE, &c. AND TIME OCCUPIED EACH TRIP IN 1845.

			s.	d.		8,	đ.				
From Blackburn	n to Colne	16 M	iles 0	11 p	er hundred weight, o	r l	12	per ton per mile,	time occupied		
Ditto	to Burnley	10 di	tto 0	7a	ditto	1	3	ditto	ditto	6	ditto.
Ditto	to Accrington	5 di	tto 0	4	ditto	1	4	ditto	ditto	24	ditto.
Ditto	to Haslingden	10 di	tto 0	64	ditto	1	1	ditto	ditto	41	ditto.
Burnley	to Colne	6 di	tto 0	4	ditto	1	Ιį	ditto	ditto	3	ditto.
Ditto	to Accrington	5 di	tto 0	43	ditto	1	6	ditto	ditto	3	ditto.
Ditto	to Haslingden	10 di	tto (5	ditto	0	10	ditto	ditto	44	ditto.
Manchester	to Burnley	24 di	tto 0	11	ditto	0	91	ditto	ditto	24	ditto.
Ditto	to Blackburn				ditto		10°	ditto			ditto.

Quantities of Coal brought Coastwise and by Inland Navigation into the Port of London, during the Years 1841 and 1842.

	Ships,	Ships,	Tons,	Tons,
	1841.	1842.	1841.	1842.
Newcastle	3,849	8,590	1,246,710	1,164,832
Sunderland	2.801	2,448	837,770	728,132
Stockton	2,019	2,047	552,531	562,302
Blythe and Seaton Sluice	872	406	98.591	100,274
Leith and other Ports of Scotland.	229	201	25,634	19,484
Swanses and other ports of Wales	244	249	74,315	73,669
Hull, Goole, Gainsborough, and other Yorkshire and Lincolnshire				
ports	678	708	66,705	69,512
Sundry places, small coal, &c	••	85		4,945
Quantity which passed the Boundary Stone on the Grand Junction				
Canal at Grove Park, Herts, and the River Thames, at Staines	5	••	418	31,519
	10.070	0.001	0.000.07.4	0.554.510
Total	10,272	9,691	2,902,674	2 ,754,7 19

PRODUCE OF THE CORNISH TIN MINES, In each Year from 1750 to 1834.

Year. Tons.	Year. Tons.	Year. Tons.	Year. Tons.	
17502,876	17723,159	17933,202	18142,611	
17512,273	1773 2,852	17943,351	18152,941	
17522,550	17742,458	17953,440	18163,348	
1753 2,516	17752,619	17963,061	18174,120	
1754 2,714	1776 2,652	17973,240	18183,745	
1755 2,757	17772,770	17982,820	18193,068	
1756 2,774	1778 2,515	17992,862	1820 2,775	
17572,752	1779 2,678	18002,522	18213,132	
1758 2,720	17802,926	18012,328	18223,137	
1759 2,637	17812,610	18022,627	1823 4,031	
1760 2,717	17822,546	18032,914	18244,819	
17612,395	1783 2,570	1804 2,993	1825 4,170	
1762 2,584	17842,685	18052,742	18264,406	
17632,736	17852,885	1806 2,855	18275,316	
1764 2,618	17863,399	18072,426	18284,696	
1765., 2,757	17873,204	18082,330	1829 4,390	
17663,055	17883,352	18092,508	18304,188	
17672,850	17893,405	18102,006	18314,093	
1763 2,667	17903,193	18112,384	18323,988	
17692,898	17913,470	18122,373	18333,791	
17702,977	17923,809	18132,324	1834 4,180	
17712,823	53000000000	121111111111		

Iron Produced in England and Scotland, IN THE YEARS 1823, 1825, 1828, & 1830.

	1823.	1825.	1828.	1830.
South Wales	182,325	223,520	279,512	277,643
Staffordshire	133,590	171,735	219,492	212,604
Shropshire	57,923	86,320	81,224	73,418
Yorkshire	27,311	35,308	32,968	28,926
Scotland	24,500	29,200	37,700	37,500
Derbyshire	14,038	19,184	22,360	17,999
North Wales	-	13,100	25,168	
Other places	2,379	3,000	4,160	5,327
Tons	442,066	581,367	702,584	653,417

COAL BROUGHT INTO MANCHESTER

In 183	4, 1836, 18	40.		
	1834.	1836.	1840.	
	Tons.	Tons.	Tons. 637,830	
By Canals	463,238	579,728		
By Turnpike Roads and Railways	273,770	334,263	396,260	
Total	737,008	913,991	1,034,090	

Produce of the Cornish Copper Mines,

From 1771 to 1786, and from 1796 to 1834.

Year. Tons.	Year. Tons.	Year. Tons.	Year. Tons.
17713,347	17854,434	1808 6,795	1822. 9,331
17723,356	1786 4,787	1809 6,821	1823 7,928
17783,320	1796 4,950	18105,682	1824. 7,824
17743.630	17975,210	18115,948	1825. 8,226
17753,596	1798 5,600	18127,248	1826 9,026
17763,532	1799 4,923	1813 8,166	182710,311
17773,386	1800 5,187	1814. 7,936	1828 9.921
1778 2.965	18015.267	18156,607	1829 9,656
17793,734	1802. 5,228	1816 7,045	183010,748
17802,932	18035,616	18176,608	183112,043
17813,450	1804. 5,374	1818 6,714	183211,947
17823,375	1805. 6,234	18197.214	183311,191
1783 4,296	1806., 6,863	18207,864	1834 11,224
1784 4,396	18076,716	18218,163	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -

Number and Weight of Hides, tanned and untanned, imported in the five years ending 1829, with the amount of duty in each year.

	Untanned.		Tan	Duty.	
1825 1826 1827 1828	Number 540 36 98 182	Cwts. 303,850 194,243 152,434 225,975 286,416	Number 6,598 1,950 1 566 7,621 8,199	Ibs. 53,131 62,313 103,808 103,876 91,515	£ 46,948 26,239 28,539 37,353 39,767

Statement of the Quantity of Coals Shipped Coastwise from Ports of Great Britain to other Ports of Great Britain, to Ireland, to the British Colonies, and to Foreign Countries, in each year from 1819 to 1835.

Years.	To ports in Great Britain.	To Ireland	To British Colonies	To Foreign Countries	To all parts.
2010	Tons.	Tons.	Tons	Tons. 164 375	Tons.
1819	3,459,508	669,660	71,497		4,365,040
1820	3,947,908	606,400	90,447	158,672	4,803,427
1821	3,731,908	644,787	90,423	170,941	4,638,059
1822	3,810,239	694,024	111,822	172,754	4,788,839
1823	4,372,839	693,413	89,713	163,662	5,319,627
1824	4,308,571	691,429	99,575	179,617	5,279,192
1825	4,384,433	695,832	114,264	197,234	5,391,763
1826	4,730,307	779,584	123,437	223,219	5,856,547
1827	4,440,318	650,728	123,109	244,222	5,458,377
1828	4,507,935	740,071	128,092	227,709	5,603,807
1829	5,014,132	840,246	128,893	240,854	6,224,125
1830	******		145,204	357,288	1
1831			152,278	356,419	*
1832	*****	****	173,508	414,938	J
1833	5,859,179	1 4	192,082	442,366	6,493,627
1834	5,822,561	3	189,838	425,417	6,437,816
1835	6,117,993		189,722	546,338	6,854,053

* In consequence of the repeal of the coasting duty on Coals, the Custom-house has ceased to keep any record of the shipments, and no return of the quantities in these years has been called for by Parliament.

† Including shipments to Ireland.

Yearly Imports of Cotton into Liverpool, From 1807 to 1841, inclusive, (in Bags.)*

Years.	ears. Imports.		Imports.	Years.	Imports.	
1807	196,467	1819	366,186	1831	793,367	
1808	66,215	1820	458,693	1832	778,785	
1809	267,283	1821	413,151	1833	843,859	
1810	320,421	1822	453,903	1834	839,951	
1811	170,133	1823	578,547	1835	769,579	
1812	171,581	1824	447,960	1836	1,023,263	
1813	143,394	1825	706,305	1837	1,034,144	
1814	182,345	1826	489,256	1838	1,328,758	
1815	273,560	1827	756,366	1839	1,017,300	
1816	276,930	1828	631,359	1840	1,414,977	
1817	314,181	1829	641,362	1841	1,167,948	
1818	425,395	1830	793,411			
* In 17	55 the important only 5 ba	gs; in 17	tton into Li 86,6 bags; ar	verpool f nd in 1787	rom Ame- 7, 108 bags.	

An Account of the Quantities of Butter, Cheese, and Eggs, imported into the Port of London from the Netherlands, during the Years 1829-30-31.

		Butt	er.		Cheese.			Eggs.	
			s.	lbs.	Cwts. q	rs.		Number.	
Year		115,002 76,477	3	18	91,624	i	19	4,221,960 3,477,208	
	1831	79,797	0	22		2	17	6.761,666	

From the following Table of the Prices of Bar Iron in successive years, we may infer the successive rates of improvement and economy, with slight vicissitudes.

Years.		1	Per Tor	n.		Years.		- 1	Per Tot	1.	
	£	s.		8	s.		£	s.	_	£	s.
1824 1825 1826 1827 1828	9	0	to	10	0	1830	5	5	to	6	0
1825	10	0	-	14	0	1831	5	5	-	5	10
1826	8	10	-	10	0	1832	5	0	-	5	10
1827	8	0	-	9	0	1833	5	10	-	6	0
1828	7	10	_	8	0	1834	6	0	-	6	10
1829	5	10	-	7	0	1835	5	10	-	7	0

The total production of Iron in Great Britain in the year 1836, was almost exactly one million of tons.

Statement of the Quantities of Tea Imported into, Exported from, and Retained for Home Use, in the United Kingdom.

Year.	From China.	From other Places.	Total.	Home Use.	Exported.
1832	lbs. 31,708,956	lbs. 60	lbs. 31,709,016	lbs. 31,548,381	lbs. 266,399
1833	32,057,747	85	32,057,832	3),829,620	254,460
1834	32,029,052	1,614,928	33,643,980	34,969,651	1,181,005
1835	41,609,921	2,750,629	44,360,550	36,574,004	2,158,029
1836	48,520,508	787,193	49,307,701	49,142,236	4,269,863
1837	36,502,345 38,998,572	471,636 1,415,142	36,973,981 -40,413,714	30,625,206 32,351,593	4,716,248 2,577,877
1839	37,191,762	966,247	38,158,009	35,127,287	3,318.912
1840	22,576,405	5,465,477	28,021,882	32,252,628	2,383,384
1841	. Fires	1 111111	30,271,000	36,681,877	4,347,432

Imports into the United Kingdom of Sugar, Molasses, Rum, Coffee, and Cocoa, from the West Indies and British Guiana, for the Years 1831 to 1841, both inclusive.

Years.	Sugar.	Molasses.	Rum.	Coffee.	Cocoa,
	Cwt.	Cwt.	Gallons.	lbs.	lbs.
1831	4,103,800	323,306	7,844,157	20,030,802	1,491,947
1832	3,773,456	553,663	4,713,809	24,673,920	618,215
1833	3,646,205	686,794	5,109,975	19,008,375	2,125,656
1834	3,843,976	650,366	5,112,400	22,081,490	1,360,325
1835	3,524,209	507,495	5,453,317	14,855,470	439,447
1836	3,601,791	526,535	4,868,168	18,903,426	1,612,304
1837	3,306,775	575,657	4,418,349	15,577,888	1,847,145
1838	3,520,676	638,007	4,641,210	17,589,655	2,149,637
1839	2,824,372	474,307	4,021,820	11,485,675	959,641
1840	2,214,764	424,141	3,780,979	12,797,039	2,374,301
1841	2,151,217	430,221	2,770,161	9,927,689	2,920,298

Quantities of Coals brought Coastways and by Inland Navigation, into the Port of London, during the Years 1836, 1837, and 1838.

Ships.			From whence Shipped.	Tons.			
1836	1837	1838	From whence Shipped.	1836	1837	1838	
3,757 2,542 1,064 285 157 132 225	3,816 2,780 1,383 282 154 140 165	3,651 2,629 1,637 328 278 218 262	Newcastle Sunderland Stockton Blythe and Seaton Sluice. Leith, Inverkeiting, Kirkaldy, and other parts of Scotland Swansea, Llanelly, Milford, and other parts of Wales. Hull, Goole, Gainsborough, and other places in Yorkshire Quantity which passed the Boundary Stone on the Grand Junction Canal, at Grove Park, Herts, and the River Thames at Staines	1,235,406 743,849 268,222 71,775 22,674 35,237 21,189 1,199‡	1,279,890 834,862 370,530 71,856 18,735 35,018 16,106 2,324	1,187,532 788,747 424,454 76,178 30,025 51,919 22,230 1,685‡	
8,162	8,720	9,003	Total	2,399,5514	2,629,321	2,582,770	

A Statement of the Weight of Goods Carried on the Bridgewater Canal by sundry person's Ve

Carried on the Bridgewater Canal by sundry person's Vessels, between Liverpool and Manchester, (being exclusive of the goods carried by the Trustees' Vessels.) viz.

Account of the Weight of Goods

Carried by the Vessels of the Trustees of the late Duke of Bridgewater between Liverpool and Manchester, on the Duke of Bridgewater's Canal.

Years.	From Manchester to Liverpool.			From Liverpool to Manchester.	To Liverpool from Manchester.			
1815. 1816. 1817. 1818. 1819. 1820. 1821. 1822. 1823.	T. C. Q. 12,827 19 0 8,543 0 2 11,036 10 1 11,192 9 0 8,705 4 3 8,437 14 3 11,036 18 4 0 10,417 18 3 12,767 10 1	T. C. q. 35,195 9 1 30,929 15 1 32,552 9 2 38,131 17 1 41,932 8 0 44,887 8 2 49,121 17 2 59,975 1 1 69,625 5 3	1815. 1816. 1817. 1818. 1819. 1820. 1821. 1822. 1823. 1824.	T. 3. C. Q. 23,638 5 2 24,785 0 2 24,764 5 3 80,754 10 2 22,736 15 1 25,816 16 2 27,470 7 3 83,515 3 1 30,278 10 1 31,836 8 1	T. C. Q. 4,406 11 1 3,325 10 1 2,198 10 2 2,938 13 0 2,356 19 1 2,201 17 1 2,544 10 1 2,822 15 0 2,790 1 0 3,453 9 3			
	106.574 9 3	447,833 9 3	'	275.591 3 2	29.034 17 2			

A Statement of the Weight of Goods carried on the Leigh Branch of the Duke of Bridgewater's Canal, between Liverpool and Manchester.

	Kenworthy.						
Years.	From Castle Quay to Liverpool.	To Castle Quay from Liverpool.	From Castle Quay to Liverpool.	To Castle Quay from Liverpool.			
1821 1822 1823 1824	T. C. Q. 1380 3 0 1512 12 0 1529 16 3 2408 8 3	T. c. q. 3203 2 0 3335 5 0 3611 9 1 4652 17 3	T. C. Q. 451 3 3 2163 11 8 1268 18 1 1632 9 2	T. C. Q. 1095 11 2 3780 4 3 2566 13 2 2277 1 0			
	6831 0 2	14,802 14 0	5516 3 1	9719 10 8			

Account, showing the Names of the several Carriers on the Canal of the Trustees of the late Duke of Bridgewater, of the dates they commenced, and the number of Vessels they employ.

Carriers' Names.	Date when they commenced carrying.	Number of Vessels employed in May, 1825.
Grocers' Company Manchester and Liverpool Union Company	March 25th, 1811 November 1st, 1823	15 Vessels. 12 regular Flats, sometimes more, sometimes less, as the trade may require.
The Rochdale and Halifax Company David Bellhouse and Sons John Kenworthy, now Kenworthy & Son.	January 11th, 1823.	

NOTE.—There were also a considerable number of by-vessels which trade between Liverpool and various other places on the line of the Rochdale Canal through Manchester, and the line of the Duke of Bridgewater's Canals, as the state of the trade required.

John Kenworthy commenced carrying on the above Canal 29th January, 1821.—Pickford and Company commenced 8th October, 1821.—Pickford and Company discontinued 8th of December, 1824.

trade with the baltic.

THE FOLLOWING VESSELS PASSED THE SOUND IN 1828:

Prussians Swedes Dutch Norwegians Danes	2,257 1,289 1,111 1,085	Hanoverians Russians Americans French Lubeckers Bremeners	417 216 129 117	HamburghersPortugueseSardinians	43 23 8 2 3,263
Mecklenburghers	RAR			•	

Ĺ

CONSUMPTION OF COALS IN LONDON.

A STATEMENT OF THE ADJUSTED IMPORTATION OF COALS TO LONDON SINCE 1801, AND THE PROBABLE POPULATION IN EACH YEAR, FOR THE SAKE OF SHOWING THE CONSUMPTION PER HEAD. THE CONSUMPTION IN 1801 APPEARS SMALL, BECAUSE THE IMPORT OF 1800 WAS VERY LARGE. (FROM MR. CHARLES PERKINS' EVIDENCE BEFORE THE LORDS' COMMITTEE.)

	Chaldrons of Coals.	Population.		Chaldrons pe Head.
1801	859,738	818,129	Census of 1801	1.05
1802	881,031	831,628	h	1.06
1803	902,324	845,127	11	1.07
1804	923,617	858,626	11	1.07
1805	944,910	872,125	11	1.08
1806	966,203	885,624	Presumed annual Rate of increase about 1.65 per	1.49
1807	987,496	899,123	cent	1.09
1808	1,008,789	912,622	11	1.105
1809	1,030,082	926,121	11	1.112
1810	1,051,375	939,620	[]	1.118
1811	1,072,668	953,276	Census of 1811	1.12
1812	1,093,959	972,184	η	1.125
1813	1,115,252	991,249		1.125
1814	1,136,546	1,010,314	11	1.124
1815	1,117,034	1,029,379		1.08
1816	1,149,650	1,048,444	Presumed annual Rate of Increase about 2 per	1.09
1817	1,182,266	1,067,509	cent	1.107
1818	1,214,882	1,086,574		1.118
1819	1,247,498	1,105,639	1	1.127
1820	1,280,114	1,124,704	[]	1.18
1821	1,312,780	1,144,531	Census of 1821	1.146
1822	1,345,345	1,163,598	[]	1.156
1823	1,377,961	1,182,661	11	
1824	1,410,577	1,201,726		
1825	1,443,193	1,220,791	Presumed that the same Rate of annual Increase	
1826	1,475,809	1,239,856	has continued	
1827	1,508,425	1,258,921	11	
1828	1,541,041	1,277,936	ון	
	82,580,515	28,868,085		

The total Import of Coal in twenty-eight years has been 32,580,515 Chaldrons; the Import in each year has occasionally been over or under the proper quantity; the amount, therefore, against each year, in the foregoing Table, has been an apportioned one, to ascertain, so nearly as possible, the consumption of Coal per head per annum. On the gross average, if 25,863,085 persons consume 32,580,515 chaldrons, each person consumes one chaldron and 12-000ths.

THE FOLLOWING TABLE Exhibits the Quantities of Coals Shipped Coastwise, and Exported to Foreign Countries at the different Ports in 1839.

ENGLAND.	Coastways.	Exported.	SCOTLAND.	Coastways.	Exported.
	Tons.	Tons.		Tons.	Tons.
London	1	26,640	Leith	30,459	18,366
Portsmouth	2.940	230	Borrowstounness	126,183	33,029
Bristol		6.874	Grangemouth	69.383	11,151
Gloucester		3,058	Kirkcaldy	46,960	7,138
Cardiff	145,057	4,879	Greenock	1.389	16,011
Newport	470,820	13,935	Port-Glasgow	18	3,768
Swansea	486,792	25,684	Glasgow	101.038	20,733
Llanelly	141,839	24,890	Irvine	248,417	19,224
Milford	63,221		Ayr	78,457	151
Chester	88.111	3,921	Other Ports.	2,044	994
Liverpool		103,630	Other Ports.	2,022	
Fleetwood		107	i i	699,348	130,565
Whitehaven	439,183	22.616	1	020,020	100,000
Carlisle	50.141	2,432	1		
Berwick	1.259	1,372	B i		
Newcastle	2,159,321	558,052	IRELAND.		
Sunderland	918,960	370,620	IRELAND.		
Stockton	1,308,778	111.707	Dublin	225	1.329
Hull	13,285	28.426	Other Ports.	1.853	
Goole	182,475	4,802	Outer Forus	1,000	2,386
Other Ports.	3,208	2,162	i i	0.000	9.715
Officer Porces	0,208	4,104		2,088	3,715
ı	6,521,577	1,315,137	Totals	7,223,018	1,449,417

Of the 7,223,013 tons shipped coastways, 336,968 tons consisted of culm, which was sent almost wholly from Swanses, Lianelly, and Milford, and 18,016 tons of cinders, chiefly from Newcastle. All coal sent coastways by sea was, in the reign of Wm. III, subjected to a tax of bs. per chaldron, which, during the late war, was raised to 9s. 4d.; it was related to 18,24 to 6s., and in 1831 it was repealed; in 1830 the revenue yielded by this tax amounted to £1,021,662.

Difference of Prices of Carriage of Goods by Canal and Land, in 1792.

		BY	CAN	AL.	BY	LA	ND.
ł			R TC			R T	
Retween	n Gainsborough and Birmingham	æ	s. 10	D.	£	5. 0	D.
	Manchester and Etruria, the centre of the Potteries	ó	15	ň	Š	15	ŏ
**	Ditto and Bromley Common, three miles to Litchfield		10	× 1	4	19	ö
"	Land carriage from thence to Litchfield.	6	Ň	X	4	2	6
l	Ditto and Shardlow, six miles from Derby	Ų	10	ŏ	v	ő	ô
"	Land carriage from Shardlow to Derby	1	10	ŏ	å	5	ň
l	Ditto and ditto, twenty miles from Leicester		10	ŏ	6	0	ŏ
"			10	X I	ő	16	8
ł	Land carriage ditto to ditto, twenty miles	Ų	Ň	X	4	10	2
"	Ditto and Nottingham.	Z	ň	8	4	6	8
"	Ditto and Newark		5	8	4	13	2
,,	Ditto and Wolverhampton		10	0	4	13	4
	Ditto and Birmingham.		10	8	4	13	7
"	Ditto and Stourport.	1	10	Ž	4	13	4
	N.B. Packs of Wool and Pockets of Hops, being very bulky articles		13	4	2	10	ŏ
"	Liverpool and Etruria	Ų	13	4	0	10	ö
"	Ditto and Bromley Common	!	10	v	Ö	0	8
"	Ditto and Shardlow	ï	10	V	v	0	Ž,
,,	Ditto and Nottingham and Newark	ž	5	Ž	5		Ň
,,	Ditto and Wolverhampton	Ť		V	5	0	0
	Ditto and Birmingham		10	0	5	Ŏ	0
	Ditto and Stourport		10			.0	Ó
	Chester and Wolverhampton	1	15	0	3	10	Ŏ.
,,	Ditto and Birmingham	2 2	Ŏ	Ž	3	10	ŭ
**	Ditto and Stourport.	2	0	1	3	10	0
	The freight between Gainsborough and Shardlow, (being the junction of the	_		. 1		_	. 1
	canal with the Trent,) and between Bristol and Stourport, (being the junction	0	10	U	0	0	0
	of the canal with the Severn) will be about, per ton			- 1			
	N. B.—The above prices are only for perishable goods, those not perishable, will be carried at a lower price.			1			
	Forth and Clyde, the whole distance from sea to sea, or twopence per mile per ton	٥	5	n l	0	٥	0
**	a view and office, one whole measures from sea so sea, or evopeace per mine per son	U	,	,			•

IRON MADE WITHIN THE KINGDOM,

WITH PARLIAMENTARY RETURNS FOR THE QUANTITIES IMPORTED AND EXPORTED.

Year.	Bri ish Iron made.	Foreign Iron used.	British Iron Exported.	Hardwares Exported.	Remained for Home Use.
1806	TONS. 258,000 452,000 581,000 703,000	TONS. 27,411 9,667 14,977 13,984	TONS. 36,925 46,413 34,372 65,139	TONS. 4,629 10,375 10,980	TONS. 243,857 404,879 550,625 639,745
1828	7,03,000 1,000,000 1,200,000 1,500,000 1,500,000	17,571 18,920 13,263 17,653	199,007 192,352 268,328 360,875	12,100 20,197 21,072 14,995 17,667	799,367 1,005,496 1,229,940 1,139,111

The whole number of Cattle, Horses, Sheep, and Pigs sent from Ireland to the various ports of England and Scotland, in different years from 1801 to 1825, was as under:—

	1801.	1805.	1809.	1813.	1817.	1821.	1825.
Cattle	31,543 669 2,879 1,968	21,862 4,114 10,938 6, 383	17,917 3,264 7,572 4,712	48,973 3,904 7,503 14,521	45,301 848 29,460 24,193	26,725 2,392 25,310 104,501	63,519 3,130 72,161 65,919

The numbers sent to Liverpool and Bristol alone, in 1831 and 1832, were:

	Liver	POOL.	BRISTOL.	
	1831.	1832.	1831.	1832.
Cattle	91,911 539 160,487 156,001	71,318 708 98,337 149,090	6,078 159 11,640 84,107	4,077 196 4,446 85,619

BUSHELS of ROCK and WHITE SALT,

Exported in each Year from 1827 to 1834.

Year.	Bushels.	Years.	Bushels.
1827	7,475,025	1831	9,932,214
1828	8,993,124	1832	10,561,861
1829	10,574,951	1833	11,670,434
1830	10,499,778	1834	11,093,674

Of the quantity exported in the last of these years, (1834),

Russia took	1,206,910 bushels.	
Denmark		
Prussia	971,780 ,,	
Holland		
Belgium	619,228 ,,	
Sweden and Norway	252,735	
Germany		
British North American Colonies	1,970,236	
United States of America	3,792,586 .,	
Western Coast of Africa	216,480 ,,	
New South Wales	113,986	
Guernsey, Jersey, &c	140,120 ,,	

the remaining quantity (195,611 bushels) was sent in small shipments to the West Indies, ports in the Mediterranean, Brazil, &c.

Total Quantity of Salt made, and the proportion taken for Consumption in each Year from 1801 to 1817.

Years.	Bushels made.	Bushels taken for consumption	Years.	Bushels made.	Bushels taken for consumption
1801	9,469,491	1,822,683	1810	11,929,728	1,999,486
1802	9,582,713	1,863,402	1811	10,387,932	2,038,252
1803	8,741,808	1,996,261	1812	9,468,689	2,047,392
1804	8,933,324	2,065,776	1813	11,067,603	2,037,931
1805	10,210,004	1,951,602	1814	12,182,497	2,045,892
1806	10,891,085	1,910,453	1815	15,084,644	2,136,912
1807	10,872,672	1,912,462	1816	11,559,950	2,003,243
1808	8,903,162	1,907,273	1817	9,357,482	1,939,674
1809	9,849,499	1,965,161		1	

An Account of the Quantity and Declared Value of British Hardware and Cutlery Exported from Great Britain during each year, from 1825 to 1831, both inclusive.

YEAR.	Quantity.	Declared Value.
1825	TONS. 10,980 9,627 12,443 12,100 13,028 13,369 16,799	1,391,112 1,169,105 1,392,879 1,385,617 1,389,615 1,410,936 1,620,631

COALS BROUGHT COASTWAYS AND BY INLAND NAVIGATION, INTO THE PORT OF LONDON, DURING THE YEARS 1838 AND 1839.

Year.	Coastways.	By Inland Navigation.	Total.
1838 1839	Tons. 2,581,085 2,625,323	Tons. 1,685 12,933	Tons. 2,582,770 2,638,256

COALS, CINDER, AND CULM SHIPPED COAST-WISE FROM THE FOLLOWING POBTS IN 1889; AND ALSO FROM ALL OTHER PORTS OF THE UNITED KINGDOM.

NA AMERICAN MATERIAL	Tons.
Newcastle	2,159,321
Stockton	1,308,778
Sunderland	913,960
Swansea	486,792
Newport	470,820
Whitehaven	439,188
All other Ports of the United Kingdom	1,444,154
Total	7,223,013

AN ACCOUNT OF THE MILEAGE AND COMPO-STITION FOR DUTIES ON RAILWAY CARRIA-GES AND ON STAGE CARRIAGES IN GREAT BRITAIN, FOR THE YEARS 1836-7-8-9.

RAILWAYS. Mileage Composition	1836. ₤ 9,097 1,199	1837. £ 14,636 2,256	1838. £ 36,251 3,319	1839. £ 79,837 1,879
STAGE CARRIAG Mileage Composition	503,742	482,194	454,496 71	424,356 120
Total	514,038	499,086	494,138	497,193

Statement of Iron made in 1840.

	Tons of Iron Made.	Tons of Coal used.
Forest of Dean	15,500 505,000	60,000 1,536,000
South Wales	26,500	110,000
Northumberland	11,000	38,500
Yorkshire	56,000	306,500
Derbyshire	31,000	129,000
North Staffordshire	20,500	83,000
South Staffordshire	407,150	1,582,000
Shropshire	82,750	409,000
Scotland	241,000	723,000
Coal used in converting to	1,396,400	4,877,000 2,000,000
Coar used in converting to	wrought fron	2,000,000
Tons		6,877,000

TABLE OF THE COST OF CONVEYING GOODS AND PASSENGERS ON CANALS,

At different Rates of Speed.-(1838.)

Description of Rate of Speed		Cost of Haulage	Cost of Boat Hire	General Expenses	Aggregate Charges,		
Boats.	in miles per hour.	in fraction of Load.	per Ton per Mile.	per Ton per Mile.	per Ton per Mile.	Useful Load per Ton per Mile.	Gross Load per ton per Mile.
Slow Boats. Fly Boats. Swift Boats.	4	1-820ths. 1-317ths. 1-40th.	D. 0·18 0·50 0·275 per passenger. 3d per ton.	0:32 0:66	0.86 2.34 9.7	p. 1:36 3:5 1:08 per passenger. 13‡ per ton.	1.02 2.275 10d. per ton

Number of SHIPS, with the Amount of TONNAGE, which entered the undermentioned Ports in 1843.

	BR	ITISH.	FOREIGN.		
	SHIPS.	TONS.	SHIPS.	TONS.	
London	4,589	1,022,550	1,633	295,121	
Liverpool	2,615	691,707	1,014	417,621	
Bristol	315	78,331	25	5,278	
Hull	973	203,149	945	104,644	
Newcastle	1,676	244,605	1,148	137,356	
Plymouth	324	35,361	26	5.237	
Leith	266	38,647	364	33,671	
Glasgow	246	43,794	51	12,084	
Greenock	206	60,269	6	2,583	
Cork	141	26,178	10	1,102	
Belfast	148	33,899	27	3,968	
Dublin	245	46,235	50	7,443	

The following Statement of the Number and Tonnage of STEAM VESSELS belonging to the United Kingdom in each year, from 1814 to 1837 inclusive, will show the rapid progress of this new marine power. The account is exclusive of Steamers employed in river traffic, and which do not therefore require to be provided with a register.

Year.	Vessels.	Tonnage.	Year.	Vessels.	Tonnage.
1814	1	69	1826	228	24,186
1815	8	638	1827	253	27,318
1816	12	947	1828	272	28,010
1817	14	1,039	1829	287	29,501
1818	19	2,332	1830	295	30,009
1819	24	2,548	1831	320	32,262
1820	34	3,018	1832	348	35,238
1821	59	6,051	1833	382	38,122
1822	85	8,457	1834	424	43,429
1823	101	10,361	1835	497	52,767
1824	114	11,733	1836	554	59,362
1825	151	15,764	1837	632	71,031

The number of steam vessels employed under the American flag in 1834 was 386, with the aggregate burden of 96,000 tons: since that year the number has greatly augmented. On the rivers and in the ports of France there were employed in 1835 only 100 steam vessels, and in 1836 the number was only increased by five yessels.

COALS.

An Account of the Quantity of Coals brought Coastwise and by Inland Navigation into the Port of London, during the year 1834, compared with the quantities brought during 1833.

виг	PS.	Ports whence Shipped.	Tons.					
1833.	1834.	Toris whence surpped.	1833.	1834.				
3,387 2,369 773 178 67 130 173	3,625 2,036 1,007 248 176 135 177	Newcastle		1,142,903 559,105 221,971 64,268 39,487 33,200 17,751				
7,077	7,404		2,014,8041	2.080.547				

Statement of the increased Weight of Goods conveyed upon the Duke of Bridgewater's Canal from Liverpool to Manchester, on Freight and Tonnage, in the first quarter of 1824, compared with that of 1825.

	Lady 185		,	Lady Day increased, 1825.				
Conveyed by the Trustees' vessels from Liverpool to Manchester. Ditto by sundry Persons from Liverpool to Manchester Ditto by Kenworthy and Son on the Leigh Canal	8,131 14,237 1,042	18	q. 0 0 2	11,750 21,081 1,626	4	Q. 0 3 2		

Total Number of Barrels of all the different kinds of BEER,

Brewed in Great Britain in each Year from 5th Jan., 1817, to Jan. 5th, 1828.

Years ended 5th January.	Total Number of Barrels.	Total Amount of Duty.
1818	6,795,074 7,432,558 7,128,351 7,147,949 7,470,702 7,838,669	£ s. b. 2,755,678 12 0 3,037,196 4 0 2,906,250 6 0 2,918,957 6 0 3,071,955 8 0 3,237,857 6 0
1824 1825 1826 1827	7,841,104 8,176,138 8,593,737 8,694,826 8,298,057	3,270,321 14 0 3,405,988 14 0 3,584,510 5 0 3,345,372 1 11 3,200,905 11 4

Quantities of SILK Imported and Exported

IN THE YEARS 1883 AND 1834.

	1833.	1834.
Raw and Waste Silk-	lbs.	lbs.
Imported	3,434,560	4,656,463
Exported	66,187	207,007
Thrown Silk—	lbs.	lbs.
Imported	229,119	192,149
Exported	5,750	20,998
Silk, Manufactures of Europe-	lbs.	Ibs.
Imported	157,290	183,813
Exported	16,139	16,115
India Silks, BANDANNOES-	Pieces.	Pieces.
Imported	295,160	379,696
Exported	175,314	176,238
CRAPE.	Pieces.	Pieces.
Imported	170	76
Exported	586	203
CRAPE SHAWLS,&c.	Number.	Number.
Imported	18,285	973
Exported	17,182	8,505
TAFFETIES, &c	Pieces.	Pieces.
Imported	3,823	1,501
Exported	5,442	4,381

An Account of the Quantity of British Iron, (including Unwrought Steel) Exported from Great Britain in 1830 and 1831.

	1830.	1831.
	TONS.	TONS.
Bar Iron	59.885	64,012
Bolt and Rod Iron	8,042	6,191
Pig Iron	12.036	12,444
Cast Iron	8.854	10,361
Iron Wire	365	539
Wrought Iron:-		
Anchors and Grapnels	1,246	1,004
Hoops	8,057	8,229
Nails	4,119	4,361
All other sorts except Ordnance	12,813	14,013
Old Iron for re-manufacture	884	1,413
Unwrought Steel	832	1,207

				•				RS.					
NAME OF NAVIGATION.	LEN	стн.		RI	SE.	FA	LL.	Leng	gthof cks.	Wid		Date	um
	mls.	fur.	Leks							feet.	in,	Live feet.	rpo
Air and Calder Navigation	29	1	10		100	78	3	53	7.	14			
River Calder from Wakefield to the Junction		4			40		150		**	14	2		
		4	4	.20	10	28	3			**	**	2	3.
Ashton Canal. Oldham Branch, from Fairfield to Water-	6	53	18	150	7	**	4.00	70		7		320	7
houses, thence to Hollinwood	4	54	8	83	1			**		+7	**	403	1
Pairbottom Reanch from Waterhouses to		or					3	12.5			1	360	1
Fairbottom Stockport Branch, from Clayton to Heaton Norris, near Stockport. 3arnsley Canal Bury Branch, from Prestolee to Bury.	١,	24	1				**		"			900	
Norris pear Stockport	4	62			44							254	1
Barnsley Canal	15	100	21	157	8			53		14	3		
Bolton and Bury Canal	11	33	18	182				68		15		258	1
Bury Branch, from Prestolee to Bury	5		135	00			**	70	94	12.		258	
Bridgewater Canal Worsley Branch, from Water Meeting Juncture Worsley Branch, from Water Meeting Juncture to Worsley, thence to Leigh	28	2	11	82	.,		**	73	**	14	2	93	1
tion, at Stretford, to Barton Aqueduct, >	10	4		Le	vel.			**				93	
thence to Worsley, thence to Leigh]	00	121			1		14	Line on	100				
Cauder and Hebble Navigation	22		26	36	**	188	5	53 70		14	2	**	3
hester Canal	::					"		64	**	14	7	::	
romford Canal								80	3.50	7	2		
thence to Worsley, thence to Leigh. alder and Hebble Navigation. hesterfield Canal hester Canal. romford Canal. unn Navigation earne and Dove Canal Branch to Eleker Iron Works Branch to Worshough Bridge.	39	100	16			92	201	53	4.20	15	4		
Pearne and Dove Canal	9	2		126 47	10			53		14		27	
Branch to Worshorough Bridge.	i	6 5	0	**	10	13	***	**	**		**	185	3
Branch to Worsborough Bridge	9	0	8	9.4	**	45	ï	66		15			
Hesmere and Chester Canal	60	44	44	296	10	48		64		14	7		
From Ellesmere to Ponty Cyssylte Aqueduct, thence to its termination, in the river Dee,	100		0	10		1			100			322	
at Limbesilis	17	**	2	13	**		"	**		1.4		022	
at Lianlysilis	10					44	2	70		- 1			
Grand Trunk, at Middlewich	10		4			44	4	70	**)	7	"	**	*
Wem Branch, from Whixall Moss to Quinabrook	3	6	75	Le	vel.	316		70 70 66 72			44		
rand Trunk Canal, or Trent and Mersey Canal	19	53	75 74	334		316 435	3	70		7	30	::	**
Indidersfield Canal lacclessfield Canal lacclessfield Canal lersey and Irwell Navigation ancaster Canal Branch to Glasson Dock ancaster Canal Johnson's Hill Locks	29	51				112	ï	70	200	7	33		-
fersey and Irwell Navigation	43	6	11	40.1	8	48	4	66		15	6		
ancaster Canal	73	72	7	72		228	125	72		14	6		*
ancaster Canal. Johnson's Hill Locks	4		1		**	75	6	66	::	15	2	**	**
	127	14	91	436	9	412	8	76		15	2		
Branch to Bradford	3		10	86	2	15	2	76				324	1
Branch to Leigh	7	24	8	211		15	2	ma I		15	2	320	1
Branch to the Cromford and High Peak Railway,	14	5	10	211	**		**	10		7	**	(전문)	
at Whalley Bridge		5	**	**	**	25	251		**		**	531	1
amsden's Canal	3	52		57	4	22	7	53		14	2	219	1
ochdale Canal	33	2		517	10.00	353		73 65	**	14	9	102	3
heffield Canal	15	23 24	11	91	5	69	42	53	:: 1	16	2		
Veston Canal and Weaver Navigation	22	04	ii		**	50		65		16	9	63	1
Branch from below Witton Brook Lock to	6	1		Sã l	60	V.C.	!						
Also from half-a-mile above Sutton Lock to	1	**				**	" [
half-a-mile above Frodsham Bridge		4	901	***							**	**	
shby de la Zouch Canal	29	78		4.0				71		7		**	
von Navigation	40		16			87		82		15	6		
From Ryder's Green to Holloway Bank—Branch	30	5	24	132		85	1	11		7		2.0	
to Ridgacre; Toll End Branch; Ocker Hill >	6	1		65	3								
Banch, from the Summit level to the Engine		100	11	2.0		100	100	1000		100			
irmingham and Fazeley Canal	20	1	38			245		71		7	**		•
Digbeth Branch	38	7	6 26	176	9	36	3	82	::	7	6	::	
uckingham Collateral Branch	10	4	20	12			:	71		7			
aldon Canal	17		15				4,76	70	.2	7	**	**	
oventry Canal	27	2	13		1.0			71		7		**	
Detached part from Whittington Brook to Fradley Heath	5	1								**	**		
romford Canal to Butterley Tunnel	3	100	14	81	6			72	6	14	6		1
erby Canal and Extensions	14	24 2 74	6	10	2	29	7	72	6	14	6		
Branch to Little Eaton	5	74	4	16	**	1		*	**	1.	**		
onnington Wood Canal	6	1	14 6 4 7 8	56	**	78	9	64		14	**	**	1:
andley Canal and Extension	1 4	5	14	116	3	13	22	71	30	7			1
and the contract of the contra	1 6	1					- 20	100		1	12.7		1

CANALS			-			_				1811			
NAME OF NAVIGATION.		PROPERTY.	-0			FA	.L.	Loc	ks.	-	ks.	Datu	
	mls.	fur.	Leks	feet.	in.	feet.	in.	feet.	in.	feet.	in.	feet.	in.
From Nitherton Junction to Gosty Hill Tunnel; thence to Hales Owen Wharf; thence to Lapal Tunnel—the length of the Tunnel; thence to the Worcester and Birmingham	11	31									.,		
Canal at Selly Oak Junction.	25	7	19	184	3			64		14	6		-
llesmere Canal	3	6						72			1	1	::
		1± 6±	14				**	72 163	6	14 29			
Holocester and Berkiey Canal—Sinp Do. do. —Barge Do. do. —Trow or Boat en Navigation thropshire Canal Headen bill Beneit	10	0.4	**	122		100	3.	115	1	29	6		::
Do. do Trow or Boat	12	1	1	1	1	155	1	81	6				Ç.,
hen Navigation	117	6	13	150		47 33	9		1	"	10	1.00	
Brierley-hill Branch	2	6	1::	1	1:		12		1::		**		1:
Brierley-hill Branch Setley Canal Frand Union Canal Branch to Welford Grantham Canal	1		1	1		1.1	6	71	1.0	144			
Frand Union Canal	23		17	5	4	76		71					
Grantham Canal	33	5	18	113	9 6	1::	1:	170	6	14	6	1::	
derefordshire and Gloucestershire Canal	1 17	74	14	13	3 1	76 54 50 51 132	1	72 73 71 70	1	8			1:
Kington and Leominster Canal	29	1	38	24	8 4	54	8	71	1	14	6	1	
Leicester Navigation		11.00	9	113	1:	90				25			
Melton Mowbray Navigation	14	24	12	7	1 3	1	1:		1::	14	6	1::	1:
Newport Pagnell Canal	- 1	1.5	7	1	1	51	6	71	6		6		1:
Nottingham Canal	14	6	18	1 .:	4 :	132	0	72	6	14	6	0.50	1.
Oakham Canal	15	24	15	12	6		10	72	6	14	6	1::	1.
Oakham Canal	. 91	9	41	7	4	4 H95	1	71			1		1:
Shrewsbury Canal	17	3	11	15	4	41 293	1	71	1	1 1 4	1 0		1.
Staffordshire and Worcestershire Canal	46	1	45	1 10	0 .	8 299	1.0	70			0	10.00	١.
Stourbridge Canal Stratford on Avon Canal	. 7	13		18	2 .		1	171	1:	1 7	1::		1
Stratford on Avon Canal	25	74	54	10		340	1 8	71					1:
Stroud Canal	90	74	1:	10	9	57		72		17			1.
Stroud Canal	. 23	49	2	1		161	10	72 70	6	1.14	6		1.
Uttoxeter Canal	1 12	9	1.12	1		188	1	70	1	7			1:
Warwick and Birmingham Canal	1 22	53	33	1 4	12 15 1			71		1 7			13
Worcester and Birmingham	30	13	2:			100				1 2	1:		1.
Wyrley and Essington Canal and Extensions	. 31	65	30			0	1	71	1:		1.		1:
River Thames From Teddington Lock to Inglesham Lock	10					1	100		18		1	1	1
			38		1.	179			1		17	5 5	1;
River Arun	5	12	24		4	6 2	6	65		7.9		17	1
Basingstoke Canal	. 36	7	25	1 15	141	2	11.0	82		14		260	
Grand Junction Canal, from Braunston to the river	1 3	2	28	1 16	2/ 0					1 9		1184	1
Andover Canal. River Arun. Basingstoke Canal Croydon Canal . Grand Junction Canal, from Braunston to the river Thames. Northampton Branch Aylesbury Branch Aylesbury Branch Aylesbury Branch	3 30	2	101	15	14	3 508	6	81		14		1	1
Northampton Branch	1 4	55	17	1	1.	. 111	1	١	1	1	١.,		1.
Wendover Branch	. 6	6	1		10	. 1100	1 7	1		1:	1	26	0
Paddington Cut.	1 13	1 4				i	1.	1.		1	1:	10	
River Itching	. 11	1	i	1	1:	123	1 3	70	1:	i	1:		
River Avon	. iż	44			30	i i	3 8	1		1.7	100		
River Avon	52		75	1 4	14	6 21	1 22	1.01		13.4	6	6	
River Kennet	- 18	4	75	1			i	80	3	14	6	6	
Lea Cut	. 1	4	100	1 .:	17						1.		
Sir George Duckett's Canal	. 3	1,						1:	1	14	1 3	22	1
River Lea	. 2		4	1	02			{ 9 to	5	}		6 12	- 1
River Medway	2	4 4	. 1	1		-10	10	10	9	11."		"	- 1
North Wilts Canal		6	1			74 2 5					91.0	6 27	
River Ouse	30	0 0		1	36 8	-		{ 4	3	. 1		3 18	-1
Portsmouth and Arundel Canal	. 13	0	1.		21 .	. 2	1	2 9) .			6	1
Branch from the summit at Hunston to Chi-	1 .	2	1.	1			11	2 7			- 1	6	
chester Basin	}]]		1:			- 1	1.	1.		1			- 1
River Rother	112		12		54 .	- D	1	8			: 1 :	6 68	1
Regent's Canal) .				

				(CAN	IAL	S-	-Co	ntin	ued		_		T	414	INTO I	141		-
NAME	OF N	AVIG	ATIO	ON.			LEN	GTH.	No.	R	ISE.	FA	LL.	Leng	gth of		cks.	Date	um a
							mls.	fur.		feet	in-	feet	in.	feet.	in.	feet.	in,		in
Thames and Medway Canal River Stort . Wilts and Berks Canal Branch from middle Lodge to Chippenham Branch to Caine .								2 6 7.4 5.4 0.0	15 42 	90 189 Le 21	7 3 vel.		9	96 74	11111	i3 7 	6 6	187	9
River Wey to Guild	ford						15	2	11	65.	3	1	1.	8I to	6}	14	3	106	1
Do. to Godalming							4	3	4	22	6	4.		84 84 74)	14	3	128	7
Wey and Arun Cana	d		74 5				18	4	23	48	1	126	2	to	" }	13	1	36	7
Stowmarket and II Ipswich, to Sto by the Orwell I Bridgewater and Ta Weald of Kent Wye Branch to Chelmer and Blackw Branch to the I	wnplativer unton near	wye.	idge	at Sto	wmarl	ket, }	16 12 29 15 13	0 0 0.0 4.2 5	16 6 25 	90 40 82 Le 72 6	48 vel. 5	1	6	76			* ::::::	: :::::	
MANC during th	e half-	EST	TEI	R	AN I	DI	BI	R N	l I I	N G	H	AN	1 1	RA	IL	NA	AY,	•	
	Manchester	Longsight.	Levenshulme	H. Norris.	Stockport.	Cheadle.	Handforth.	Wilmslow	Alderley		Chelford	H. Chapel.	Sandbach.	Crewe.	Macclesfield.	Warning and	wincestord.	Congleton.	Total.
1845 1844	201049 178104	23780 13489	17721 8098	72011 94349	92532 26443	6800 3092	9400 734		7 890 2 50		133 553	8698 3891	7118 3179	6932 3197	2179 2629	4 69 92 46		855 832	50433 38961
Increase	22945	10291	9623	43	751	3708	206	448	5 39	17 3	580	4807	3939	3735		23	51	23	11471
Decrease,,,,,,															449	8			449
			,		THR ing Pas														
Through Traffic, 1845 Ditto ditto 1844	61735 42637	197	46 67		4101 2908	85 52	55 27	236	1 12	8 4	336	1542 1138	1493		1	1	T	11	7396
Increase	19098	54	01	-	1193	33	28	88	-	_	253	404	1199	-	-	-	-	-	2249
Decrease			21						1							1	-	-11	
Statement of Merch	andise	Traf		om the	Open	To	tal In	Mar	nches	ter a	nd I	Birm	137	215 m R	ailwa		lug. 1		342.
SIX MONTHS I	NDIN	G		WEIGI	17.	AM	OUNT	_		онт.	_ .	_	OUNT.	-	WEIGI	-	1	AMOUI	-
January 31, 1845 13,966 2 14, July31, 1843 18,910 3 3 17, January 31, 1844 24,371 2 3 11, 3 12,					19,4	13 17 68 6 65 18 90 2 69 11	1 7 2	1,15: 5,43; 12,54: 23,56: 32,00: 41,55:	7 0 8 9 0 10 5 1	3 0 2 2 3 3	1,33 2,01	8 13 5 4 4 14 6 19	6 1 0 2 1 3 6 4 5 6	5,119 1 4,347 6,919 1 8,726 6,040	7 3 3 3 12 1 8 3 1 0 1 1	25	5,126 1 8,356 1	9 7 2 7 2 0 5	
		print			RYI								o de						
	-	Th			MANC			on th				STEI				TOT	TAL.		-
HALF-YEAR EN	DING		1	vergn	r.	AMOU	INT.	1	WEIG	HT.	1	AMOU	NT.	W	RIGHT		A	MOUN	T.
	_		τ		L. LB	_	8. D	1	_	Q. LI	-	£.	_	T,	G, Q	_	_	£. s.	_
January 31, 1844 July 31, 1844 January 31, 1845 July 31, 1846			1,14 3,71	3 2 1 4 5 1 2 6 3 2 15 1	3 19 1 12	807 1,915 4,400 6,195	4 1	4.7 8,7 13,0	84 7 33 7 15 8	3 27 0 5		2,585 4,285 7,804 9,073 1	3 10	5,92	7 10 7 13 7 14 4 8	1 11	3,	392 7 201 7 204 8	111 4 7 3

MISCELLANEOUS STATISTICS.

1.—The following amounts of Toll were paid, per month, on an average, between June, 1842, and June, 1843, by the following carriers, &c. to the Manchester and Leeds Railway Co .:-

Carver and	1 Co						 £2,400	
Pickford a								
Kenworth								
Marsden	nd Co						 350	
Thompson	McKay						 500	
Barnby Fr	ulkner .				4		 300	
Ann John	son						 100	
Cockerhar	n		٠.	٠.			 200	
Jackson a	nd Sons.					٠.	 100	
Deacon an								
Millers, &	c., for gr	ain					 4,000	
TV	C Ca	her		E.			 1 l	à

2 .- Weight of Goods forwarded and received at Ellesmere port, for three months ending Forwarded. Received Received.

	TONS.	TONS.
March, 1837	. 4,774	9.675
June, 1837	. 7,179	11,324
September, 1837		
December, 1837	. 8,702	17,128
March, 1838	5,201	14,082

3.-Messrs. Shipton & Co., forwarded by canal, from Ellesmere port to Wolverhampton.
40 tons of live pigs on the 8th of rebruary, 1836.
55 ditto. ditto. 15th ditto. ditto.

15th ditto. ditto. from 8th to 15th, ditto. 105 ditto. ditto.

4.—In 1840, the weight of goods passing between Manchester and Birmingham and London, by canal, was 18,000 tous per year; and between Manchester and Stourbridge and Bristol, 12,000 tous. The iron received into Manchester was 24,000 tons for the year.

5.—The Anderton Carrying Company transhipped at Anderton, on the river Weaver per month, on

an average, in 1842,

o Macclestiel	d, goods, &	C.,	233	tons.
Congleton	ditto.	*****	68	17
Potteries	ditto.			**
Potteries	clay,		1336	**
Northwich	, goods, &c	2	166	12
	aces, ditto.			**
Liverpool	ditto-		20	**
Livernool.	earthenwa	re. 4400	pack	nees.

avera e rate of 4s. 3d., from the Potterles to Liverpool.

6.-The Anderton Carrying Company forwarded between Liverpool and the Staffordshire Potteries, during three months ending 31st December, 1842, 11,639 packages, 31972 tons, #2395.18s. 11d. freight, 322 boats, 14s. 1124. average rate of freight per ton.

7 .- Messrs. Pickford & Co. forwarded, and

received at Liverpool, by railway and canal, as under:—
During 3 months, ending March, 1841....4966 tons.
1842...5070
13 weeks, ending 3rd December, 1842.5656 tons.
S.—Messrs. Crowley & Co. forwarded between Ellesmere port and Liverpool, from 1st February, 1835, to 30th June, 1836:-Weight. Freight. Average rate p ton

Weight. Freight. Average rate \$\psi\$ to:
Tons. c. q. lb \(\mathcal{L} \). s. d. s. d.
To Liverpool. 8897 10 3 7...1756 6 7..3 11\(\frac{1}{2} \) 4s. 1\(\frac{1}{2} \)d.
From ditto. ..4727 0 3 1...1075 2 4...4 6\(\frac{1}{2} \) And Messrs. Shipton & Co.,

Weight. Freight. Average rate
Tons. c. q. lb £. s. d. s. d. ⊅ ton.
To Liverpool. 15,328 4 2 8..2721 13 0..3 6†1 3s. 8§d.
From ditto. .. 2,986 19 1 28. 892 12 11.4 6‡1 3s. 8§d.
From the above the E. & C. C. allowed 4d. per tou.

9.—Canal Shares.—In August, 1792, England was in a ferment, created by speculations in canal shares; to promote which, many new canals were pro-jected, and incredible sums subscribed chiefly in the midland counties. On the 18th of Aug. 1792, there appeared in the GAZETTE 19 different notices of intended applications to parliament respecting internal navigation. following were current premiums on single shares in those canals for which acts of parliament had been obtained:—Birmingham and Fazeley, £1179; Stourbridge, £350; Melton, £55; Grand Trunk, £350; Coventry, £350; Leicester, £155; Worcester, £20.

10 .- On the 1st of July, 1801, an experiment, says the ANNUAL REGISTER, took place on the river Thames, for the purpose of working a barge, or any other heavy craft, against tide, by means of a steam engine on a very simple construction. The moment the engine was set to work, the barge was brought about, answering her helm quickly; and she made way against a strong current, at the rate of two miles and a half an hous.

11 .- Mines of rock salt, near Northwich, yield about 80 or 90,000 tons, and of white salt about 300,000 tons are made. The duty by the bushel, in 1815, was received on 15 million bushels, of which 2 were retained for home consumption. The export is immense, 4½ million bushels to Europe, and 5½ to North America.

12.—The tin mines yield latterly about 4000 tons, formerly only 2750. Two tons of Banca tin are imported at 50s, per cwt, duty, and re-exported; but Banca tin supplies all the East. The exports of British tio have been two tons, and are now not half a ton. The price has fallen from £140 to £75 per ton.

13.—Cornwall is now more celebrated for copper than formerly for tin. In 20 years the produce has risen from 7 to 12,000 tons. Other copper mines in the United Kingdom yield about 2000 tons. Copper has failen from £120 per ton to £105.

14.—The largest produce of copper was in

1832-3-5, about 12,200 tons. In 1837 it was 11.823 tons. 15.—From 1831 to 1837, 142,785 tons of ore produced 11,637 tons of copper, or 8:125 per cent. Before 1790 a fifth of produce, yielded a third of copper, or 12 per cent.

16.—Tin is east into blocks from 3 to 4 cwt.; and then assayed in Cornwall, at Lestwythiel, Truro, Helston, or Penzance.

17.-No imported copper is used at home; nearly 8000 tons of British are exported.

18.—The lead mines in Derbyshire, Cumberland, &c., yield about 15,000 tons per annum. A lead wire, the thirteenth of an inch, sustains 28lbs.

19.—Steel has become a large product at Sheffield. It employs 60 furnaces, which produce 10,000 tons per annum besides some hundred moulting furnaces, all which consume 100,000 tons of local coal. The other all which consume 100,000 tons of local coal. The other manufactories consume 200,000 tons, besides 38,000 for 75 steam-engines, of an average of 18 horse power. Swedish iron is employed for cutlery, &c., in proportion of 10 to 2 British.

20.—Of the quantity of iron, South Wales produces 279½ thousand tons, Staffordshire 219½, Shrop-shire 31½, Scotland 37½, Yorkshire 33, Derbyshire 22½, and North Wales 25. The quantity has increased 100,000 tons per annum.

21.-France has about 2400 miles of canal navigation. The navigable rivers of France are between 4000 and 5000 miles, and of England about 1800.

22.—We export 71,000 tons of bar, 22,000 of pig-iron, and 14,000 in castings, besides 10,000 as rod and wire. Of anchors, &c. 2000 tons, hoops 12,000, nails 5000, and sundries 21,000. In all 157,000 tons. There is also exported 1710 tons of bars of steel, from Swedish wood-made iron. America, in spite of its Pittsburgh, is

our greatest customer.
23.—In 1740, the 59 charcoal furnaces of England and Wales produced but 17,380 tons of iron. About 1770, coke was preferred to charcoal, and in 1837, the produce was a million of tons.

24.—In 1836, a million of tons of iron were

smelted, at a mean price of £7. 10s. per ton.

25.—954 persons are ascertained to have perished by explosions in English and Welsh coal mines, between 1810 and 1835; and 1600 in Durham and Northumberland only, between 1710 and 1810. Since Davy's lamp, 538 have perished in 18 years in those counties, and in 18 years before only 447; but a committee of parliament decided that Davy's principle was previously known to Clanny and Stephenson.

26.—By heavy waggons, at 21 miles per hour, the cost is 8d. per ton per mile. Light vans, at four miles, 1s. A four-horse stage varies from 16 to 18 ewt, and carries 2 tons of passengers and luggage, at 9 miles per hour, at 3d. per passenger per mile, or 3s. per ton per

27.—The Caledonian Canal is $60\frac{1}{2}$ miles long, 15 feet deep, and 120 to 50 broad, with 28 locks; but, in 16 years, it has not paid the interest. Its expense was a million!

28.-536 miles of canal in the United King-

dom have been made since 1800.

29.—The Regent's Canal, round the North 23.— Ine Regent's Canal, round the North of London, is 8 niles long. It passes from the Thames at Limehouse, is 45 feet wide, and rises in 13 locks, 84 feet, passing through a tunnel at Islington, of 896 yards, and another at Paddington, of 440 yards, to the basin of the Grand Junction, which joins it to the inland navigation of the kingdom. It is crossed by 37 bridges.

30.—There are 104 canals in the United

Kingdom. The Leeds and Liverpool 130 miles, the Elles mere 109, the Grand Trunk 93, with 37 of branches, the Grand Junction 93‡, with 53 of branches, and the Oxford 91, are the longest. The oldest is the Bridgewater, in 1758, and the next in 1770. Whether they will maintain themselves against railways, can only be determined by experiment.

31.—In 1838, there were 2200 miles of canal in England, and 1800 of improved river navigation. In Ireland, there were 300 miles of canals, and 200 of rivers.

32.—The Grand Canal from Dublin to the Shannon, is 80 miles, with 8 branches of 75 miles.

33.—The Newcastle coal-trade employs 950 ships of 212,703 tons, and 10,975 men and boys, 68 vessels. per annum, are wrecked, and 170 lives lost. Vesvessels, per annum, are wrecked, and 170 lives lost. sels are valued at £10 per ton.

34.-7400 ships bring about 2,100,000 tons of coal to the Port of London, of which half are from Newcastle, and a third from Sunderland and Stockton. The Scotch and Welsh send about 35,000 tons each. Yorkshire, with its vast coal fields, but half this quantity.

35.—There entered the Port of London, from foreign parts, in 1831, 5610 ships; in 1832, 4018; and,

in 1883, 4396; average tonnage 190 tons.

36.—The 22 docks of Liverpool cover 111 acres, and the quay spaces around them are 8 miles, and beside the river 2½ miles. The Prince's dock is 57,129 square yards; the Queen's, 51,502; the King's, 37,776; Brunswick, 60,824.

37.—The cost of the 22 docks and dry

basins has been above 2 millions. The first, erected in the reign of Anne, is now filled up. 12,000 yess, is enter. 12,000 vess ls enter, inwards and outwards, per annum.

38.—The several London Docks occupy, in water, wharfs, warehouses, &c., 295 acres.

39.—The West India Docks, in the Isle of Dogs, formed in 1890 and 1802, cover 68 acres; and the buildings, &c., 72 more. They cost 1½ million, and hold 204 vessels, The shed, near the quays, is a quarter of a mile long; the frame-work and supports are wholly iron. Beneath are extensive vaults for rum and spirits, wholly lighted by day-light reflectors and reflections.

40.—The St. Catherine's Docks cost £1,700,000, and cover 24 acres, in clearing which, 1250 houses were pulled down. It will accommodate 150 ships, besides small craft.

41.—The London Docks cover 25 acres, 29 feet deep; the entrance basin is 12½ feet; and these, with the quays, sheds, and warehouses, four stories high, with extensive vaults, cover 110 acres

42.—In the 3 years, 1816, 1817, and 1818, 1203 ships were lost; and, in 1833, 1834, and 1835, 1702—the cargoes 6 and 84 millions; and, in the 6 years, 5000 of the crews and passengers were drowned.

43.—10,026 ships, averaging 110 tons, have been employed between Great Britain and Ireland.

44.—Timber freights from Quebec have fallen from £60 in 1818, to £42 and £38. From Memel, £27 to £18. From Petersburgh, from £37 to £25. Coals from Shields, £13 to £29s. From the Mediterranean, from £5. to £3.

45.—The consumption of the best coals is 8lbs. per horse power per hour, so that in 466 hours, it would be 466 × 300 × 8 = 500 tons nearly. A 300-horse power engine weighs 320 tons, and the stores for 19 days, 50 tons, leaving 330 for passengers, &c. &c. Every horse power is equal to 4 tons, in the best vessels and best construction. struction.-Russell.

46.—Tabular statement of the comparative dimensions and capacities of the three first American steam ships:-

British Liverpool. Western. 223 ft. 236 ft. Queen. 275 it. Extreme length Breadth within paddle-boxes 30 5-6ths. 351 37 £ Tonnage 1,863 1,1494 1,340 Horse-power 500 468 450 Diameter of cy-75 in. 714 in. 73½ in. linder Diameter of pad- } 30 ft. 281 ft. 28# ft. dle-wheels... Extra weight:) engines, boilers, 500 tons. 450 t. 480 t. &c. water.... Ditto, coals .. 600 600 600 Ditto, cargo.. 500 250 250 Draught of water 16 ft. 164 ft. 163 ft. 47.—In 1834, a locomotive cost £900; in 1836, £1120; in 1838, £1,200; in 1839, £1,250.

48.—The Birmingham railway has 7 tunnels, in all 32 miles. The Primrose-hill 120 yards. The Kensal Green 320 yards. The Watford 1830 yards. The Leighton 272 yards. Weedon 418 yards. Klisby 2308 yards. Beechwood 300. The Birmingham station is 250 feet above the London. Iron rails for the whole 1122 miles cost £460,000, for 35,000 tons, and the stone blocks 180,000 for 152 460 tons. 180,000 for 152,460 tons.

49.—The total cost of merchandize on the Liverpool and Manchester Railway is about 24d. per ton per mile, and of coals, 14d. per mile. On the canal it is 13d., but the railway is to the canal as 31 miles to 56; so that the cost is 6s. 3d. per canal, and 3s. 11d. per railway, always shorter than canals.

50.—In 280 days, from June 1839, to March 1839, 434,225 passengers passed on the Birmingham railway, producing £262,557, i.e. alove 1600 per day, producing about £950. Summer and Autumn is the best season by 50 per cent.

51.—In the same time, and on the sameline, £40,369 was received for parcels, chiefly in winter; and £1300 for excess luggage. The weight of goods was 10,417 tons, in 3044 waggons. Up and down nearly equal. 52.—In nearly 18 months, of 1837-8, the locomotive, or directive power, on the Birmingham railway, cost £48,000; the coaching department, £58,000. The engineering, £15,390. The produce of every kind, £270,000.

53.—Passengers, carried on the Greenwich railway during Whitsun-week, 1839, exceeded those of any former period. Monday, 35,336, receipts £1,227; Tuesday, 22,877, and £781; Wednesday, 10,028, and £345; Thursday, 4,636, and £117; Friday, 3,372, and £122; Saturday, £346—Total £2,942.

54.—The Menai Bridge is 1600 feet long, 20 feet long,

30 feet wide, and 100 feet above the water. The weight suspended is 343 tons, and the power 2016 tons. The

water-way is 500 feet.

55.—A suspension bridge at Freyburg, the longest in the world, was completed in 1834. Its dimensions, compared with those of the Menai; are

Length. Elevation. Breadth. Freyburg 905 ft. 174 ft.

supporting three times the weight which the bridge will

ever be likely to bear, or three times the weight of two rows of waggons, extending entirely across it.

56.—To convey 180 passengers 240 miles

in 24 hours, by coaches, would require 12 coaches with 15 passengers each, and 1200 horses; but one locomotive engine does the same in 12 hours, and, therefore, is equal to 1200 horses. If the coaches, as the mail, took but 6 passengers each, they would employ 3000 horses, and the engine, in its two trips, is equal to 6000 horses.

57.—The bones imported for manure, in

1836, were in value £171,806.

58.—The agricultural produce exported from Ireland is about 7,000,000 tons. The import trade is 385,000 tons

59.—Liverpool alone imported from Ireland in 1837, to the value, in live stock, of $3\frac{1}{2}$ millions, which included 250,000 sheep and lambs, 85,000 cattle and calves,

and 595,422 pigs.

60.—The whole of the IRON made in Great Britain, in 1740, was 17,000 tons, from 59 furnaces. In 1789, it was 68,000, from 85 furnaces; and, in 1827, it was 690,000 from 284. In 1839, the produce was nearly a million of tons, in 360 working furnaces.

61.—About 360 furnaces make nearly 800,000 tons of pig-iron, or 2200 tons each per annum, i.e. 5\frac{1}{2} per day, or 40 per week. A furnace in mining, smelting, forging, tilting, &c., employs 280 men, women, and boys, who, at 16s, per week, cost £224, besides the mine, coals, lime, machinery, &c., a full £100 more, i. e. about £7 12s, per ton. Then, as 2000 tons per week are produced by 280 hands, 800,000 tons of pig-tron would employ 90 cr 100,000 hands

62.—Iron and Hardware. The mineral produce of Great Britain, on an average, of late years, and

prices in 1838.

1838.
Silver. 10,000 lbs. £30,000
Copper 13,000 tons. 1,300,00J
Tin. 5,500 555,000
Lead 46,000 950,000
Iron 900,000 7,000,000
Coal .25,000,000 10,000,000
Salt, alum, and minor }
produce 1,300,000

Total value £20,000,000

63.—Cornwall, in 1837, yielded 140,753 tons of ore, of which the copper was 10,823.

64.—The proportions in a furnace for a ton of bar-iron are—3½ tons of ore, 2½ to 3½ of coals, and ½ of limestone. And 3½ tons of coals are used for the engine. Iron-stone is worth from 1s. to 2s. per ton, and coals about 3s. or 4s. Limestone is 2s. per ton; 7.8ths of all that is made is used at home. Coke is genesally used. ally used, but coal is preferred for some iron.

65.—An average of 27 cwt. of pig-iron makes a ton of wrought iron; while others estimate the average at 30 cwt. to the ton.

66.—Crawshay's iron works, at Merthyr Tydvil, employed, in 1832, 5000 persons, 8 steam engines of 50-horse power, day and night, equal 1200 horses;) eight water-wheels, of 27-horse power; and 50 furnaces, 50 feet high.

67.—The greatest product at one work has been 32,611 tons, from 12 furnaces at Dowlais, by Guest and Co. This is 2717 per annum per furnace, or 72 per day!—Marshall.

68.—Scotland has 59 furnaces, and 12 building. They work with hot air, and produced, in 1839, 184,080 tons; and, it is expected the new furnaces will, in 1840, raise the annual make to 280,000 tons. The largest make is at Gartsherrie, 29,316 tons, with 8 furnaces. Dundyvan and Calder make 25,000 each.

69.—Owing to the reduction of the currency, in 1826, the prices of Birmingham goods fell from 40 to 80 per cent. The profitless prices have, however, doubled the value of the exports in 20 years, and raised the quantity from 10,000 to 17,000 tons.

70.—In 1720, Great Britain imported 2 millions ths. of Cotton: in 1751, 3; in 1780, 5; in 1787, 22; in 1800, 56; in 1810, 132; in 1820, 1474; in 1830, 260; and, in 1835, 360. France imported, in 1810, 25; in 1820, 44; in 1830, 90; and, in 1835, 914. Since 1830, Switzerland has imported from 17 to 20 millions per annum. The UnitedStates, in 1835, imported 91 of India cotton.

71.—In 1827, in cotton manufactures, 365,492,894 yards were exported, value £12,948,035; and, in 1836, 637,667,627 yards, for £17,183,167. In 1827, at 8\dd. per yard; and, in 1836, at 6\dd. per yard.

72.—In 1827, 44,878,774lbs. of twist and

yarn were exported for £3,545,578, at 1s.6 d per lb.; and, in 1836, 88,191,046 lbs. for £6.120,366, at 1s. 4 d. per lb. 73.—In 1836, 2,546,177 lbs. of worsted

yarn were exported for £358,690, at 2s. 101d. per lb.

74.—In 1836, 4,574,504lbs. of linen yarn were exported for £318,772, at 163d. per lb. 75.—In 1836, 192,352 tons of iron and

steel were exported for £2,312,674.

76.—In 1833, the power-looms in Great Britain were 100,000; and they were, in 1838, full 130,000. The hand-looms were above 200,000, but at steam prices!

77.—Of the immense imports, 1,124,180 bags were North American, as Sea Island from 1s. 6d. to 2s. 6d., or New Orleans from 7d. to 1c4d. The Egyptian was 31,570, from 114d. to 1s. 5d.; the rest from South America, Turkey, and both Indies. In 1837, the North American were but 846,268 bags.

78.—The weekly averages, for home consumption, were, in 1838, 24,229 bags per week; and, in 1837, but 20,729.

79.—The cotton manufactures exported in 1837, were worth £18,482,586; in 1838, £13,632,146; and, in 1839, £16,709,736. The yarn, each year, £6,120,826, £6,955,936, and £7,431,848.

80.-Wool-The quantity of wool grown in England, in 1828, was 263,847 packs of long wool, and 120,657 short wool, total 384,502, at 240tbs. each.

81.—The quantity of foreign wool imported into the United Kingdom in the year 1833, was 38,076,413lbs; 25,370,106lbs. were from Germany, and 3,516,000lbs. from New South Wales. In 1838, the British wool and goods exported were valued at £6,683,698; and the woollen yarn

82.—England alone consumes 4 millions of the of silk, and every b. requires 3500 worms. China must have consumed 50 times this quantity for 3000 years, it being the universal clothing. It is produced mostly between the 30th and 40th degrees. The East India Company imported from China about 3000 tons, and the couldtry is players the same quality is always the same.

83.—SILK—In 1827, there were imported 4,389,582bs. of Silk; and, in 1833, but 3,663,679. In 1837, the exports of silk manufactures were £916,777; in 1838, £503,653; and, in 1839, £777,273.

84.—The whole weight of all kinds of glass made, per annum, is about 30,000 tons, of which bottle glass is 2.3ds. The exports are about 15,000 tons, chiefly to India, the United States, and Brazil. The duties, in 1836 were £683,373.

1836, were £683,237.

85.—16,000 tons of hides and skins are annually imported, at a custom-house value of 12 million, for conversion into leather, and these, with home produce, make 30,000 tons of leather, worth five millions. the value is believed to be expended in labour and profits, or 10 millions. This gives employment to 133,000 shoemakers, to 30,000 tanners, &c.; to 12,000 saddlers, and to 25,000 glove-makers, of all ages. A large shoe-trade exists at, and near, Northampton, and a glove-trade at, and near, Worcester: but, we besides import 1 million pairs of gloves from France.

86.—The western counties are supposed to make 50,000 hogsheads of Cyder, and 1500 of Perry.

87.—In England, about 2400 miles of navi-87.—In England, about 2400 miles of navigable canals have now been made, and wholly at the expense of private companies or individuals; in Ireland, 300 miles; in Scotland, 200. These works are unequalled for extent, and for difficulties of all sorts successfully overcome. As specimens of the latter, may be mentioned the tunnel at Bilsworth, on the Grand Junction Canal, which is 3080 yards in length. The underground cuttings in the Duke of Bridgewater's canal are said to be altogether 18 miles long, and to have cost £170,000. The alarsden tunnel, in the Huddersfield canal, is 5451 yards long. The tunnel at Sapuerton, in the Thames and Severn canal, is tunnel at Sapperton, in the Thames and Severn canal, is 23 miles in length, and 250 feet below the highest point of the hill through which it is made. In the Thames and Medway canal, between Gravesend and Rochester, a tunnel 21 miles is cut through the chalk; and one of the tunnels of the Leominster canal at Pensax is 3850 yards

ng. (1844.) 88—There are (1832) three lines of canal between London & Birmingham, viz., the Coventry Canal, by the way of Fazeley, which is 177 miles long: the Oxford Canal, by Warwick and Knapton, which is 152 miles long; and the Grand Junction Canal, by the Worcester and Stratford Canal, which is about 155 miles long. The number of locks on the Fazeley line are 150, on the Warwick 173, and on the Stratford 161. A fly boat occupies wick 1/3, and on the Stratford 161. A fly boat occupies four minutes in passing the boat locks, and five minutes the barge locks, and slow boats pass in five minutes; so that 11½ hours are occupied by the fly boat, and 1½ hours by the slow boats, in passing all the locks on the Fazeley line. There are six tunnels on the Fazeley line. occupying a distance of four miles; on the Worcester there are six, making about 41 miles; on the Stratford

there are six, making 4½ miles.

89.—There was a drawback allowed on coals consumed at the mines (in certain situations), which, for the county of Cornwall, amounted in 1829 to £16,148.

- 90.—The value of Machinery exported from Great Britain during the six years ending 1829, has been-1824, £129,652; 1825, £212,416; 1826, £233,955; 1827 £214,129; 1828, £63,372; 1829, £256,539. £233,955; 1927,
- 91.—The average quantity of salt made yearly, about 1795, from the Cheshire brine springs, which are inexhaustible in quantity, and many of them fully saturated, is supposed to be nearly: At Northwich, 45,000 tons; Winsford, 15,000 tons; Middlewich, 4,000 tons; Lawton, 1,500 tons; Nantwich, 60 tons. If to these numbers be added, for reined rock-salt, at Northwich, 5,000 tons, Frodsham, 4,000 tons, the whole quantity of salt made in Cheshire will appear. Viz about tity of salt made in Cheshire will appear; viz, about 74,560 tons.
- 92.-We may fairly date the origin of English canals from the Act of 1755, under the authority of which a canal about 11 miles in length was executed, which commences in the river Mersey, at the mouth of Sankey-brook, alongside which it runs in a northerly direction to Gerrard's Bridge and St. Helen's.

	93.—The whole Iron made in Great	Bri-
ŧ	tain was—	
1	740 17,000 tons a year, from 59 fu	rnace
1	788 it had increased to 65,000 do	do.
1	796 do 125,000 do 121	do.
1	1806 do 250,000 do.	
]	1820 do 400,000 do.	
1		do.
	The different counties in which it is made are as a	under
i	n 1827—	
	Staffordshire 216,000 tons, from 95 furns	ces.
	Shropshire	•
	South Wales 272,000 do 90 do	
	North Wales 24,000 do 12 do	
	Yorkshire 43,000 do 24 do	
	Derbyshire 20,500 do 14 do	
	Scotland	•

690,900 tons, 284

About 3-10ths of this quantity is of a quality suitable for the foundry, which is all used in Great Britain and Ireland, with the exception of a small quantity exported to France and America. The other 7-10ths is made into

bars, rods, sheets, &c.

94.—About 300,000 quarters of corn, and 50,000 sacks of flour, are annually conveyed down the river to Yarmouth; and about 60,000 chaldrons of coals, and 20,000 tons of goods, are brought up the river from Yarmouth every year. (1828.)

95.-In 1828 the total quantity of merchandise passing between Liverpool and Manchester, was

1200 tons per day.

- 96.—SHEEP AND LAMB'S WOOL, WOOL-LEN MANUFACTURES, &c.—The quantity of British sheep and lambs' wool exported to foreign countries, during 1834, was 2,278,721 lbs.; of woollen and worsted yarn (including yarn of wool or worsted mixed with other materials) 1,861,814 lbs; the declared value of British woollen rans) 1,501,514 los; the declared value of British woolers manufactures exported, during 1834, amounted to £5,736,870; and the quantity of sheep and lambs' wool imported into the United Kingdom from foreign countries, including the 1sle of Man, during 1834, was 46,480,720 lbs., of which 40,840,271 lbs. were retained for home consumption, 807,362 lbs. were re-exported, and 6,494,266 lbs. remained warehoused under bond, on 5th January, 1835.
- 97.—Sugar.—The total importations from all parts in 1834, into the United Kingdom, was 4,743,414 cwts. The total quantity in 1833 was 4,789,291 cwts. The following places imported the largest proportions in 1834 into the United Kingdom:—

Jamaica . . . 1, 256, 253 cwts. Trinidad 339,614 cwts.

Demerara... 687,282 do. The Mauritius.553,889 do.

British possessions in East Indies, including Singapore,

102,196 cwts., Cuba, 113,165 cwts.

98 .- Iron Exported and Imported, in 1834.—Of British iron exported, there were, of bar iron, 70,809 tons; bolt and rod iron, 9154 tons, pig iron, 21,788; cast iron, 13,870; iron wire, 33%; anchors and grapnels, 1941; hopps, 12,046; nails, 5,066; all other sorts, except ordnance, 20,947; old iron, for re-manufacture, 497; unwrought steel, 1,709 tons.—Of foreign iron imported, there were, iron in bars or unwrought, 16,215 tons, and 698 tons of unwrought steel. There were small quantities of other kinds imported, and a quantity of iron and steel manufactures entered at the declared value of #3,459.

99-SOAP.-Quantity of Soap made in Great Britain during 1834 :-

SOFT SOAP HARD SOAP. England 131,979,433 lbs. .. Scotland 11,925,464 .7,108,225 lbs. 3,247,200

10,355,425 Great Britain . . 143,904,897 Great Britain. 143,904,897 10,355,425
The quantity of soap exported to Ireland during 1834, was, of hard soap, 11,258,526 lbs.; of soft soap, 53,664 lbs.; and the amount of drawback was £70,595 l6s. 9d. The quantity exported to foreign countries was, of hard soap, 12,459,747 lbs.; of soft soap, 8,458 lbs.; and the amount of drawback was £77,966 4s. 4d. The number of individuals prosecuted for defrauding the revenue arising from duties on soap during 1834, was 36.

100.—Value of the Trade carried on by HUU.—Value of the Trade carried on by British Ships at Canton in the years 1833-84, the exchange being taken, at 4s. 4d. a dollar; Imports £5,019,280; Exports £4,474,576. Of these sums the private traders imported 4,142,480, and exported £2,676,722. The American Trade in the years 1832-33 was: Imports £1,811,976; Exports £1,782,164. The Dutch Trade in 1831-32 was: Imports £99,043.; Exports 137,289. The trade of other countries can only be estimated by the trade of other countries can only be estimated by the number of ships. In 1833-34, there arrived in China 41 Spanish, 19 Portuguese, 4 Danish, 1 Prussian, 8 French, 4 Hamburgh, 1 Belgian, and 1 Mexican vessel.

101.—Coffee Imported and Exported. The total quantity imported in 1834 was 41,865,111 lbs.; the total quantity exported, 15,250,480 lbs.

102.—Tallow.—Quantity of Foreign and

Colonial Tallow imported in 1833 and 1834:—
Tallow imported...1,115,427 cwts....1,397,406 cwts.
103.—TOBACCO AND SNUFF.—The quantity of leaf tobacco, manufactured tobacco, cigars and snuff, entered for home consumption, in the year ended 5th January, 1835, was 21,389,307 lbs., on which the gross amount of duty received was £3,241,985. The quantity imported from all parts of the world into the United to the contract of the world into the United 180 477,006 Kingdom during the same period, amounted to 39,477,906 lbs., of which 38,440,794 lbs. came from the United States.

104.—There are at present (1837) 54 four-horse and 49 pair-horse Mail-coaches in England. The greatest speed attained by any of these is 10 5-8th miles per hour, and the slowest speed of any is 6 miles, the average of the whole being 8 7.5th miles per hour. There are, besides, 30 four-horse mails in Ireland, and 10 in Scotland. The number of stage-coaches, including mails, licensed by the Commissioners of Stamps at the beginning of 1837, was 3,026. Of this number about one-half (1507) begin or end their journeys in London.

105.—Statement of Traffic upon the Grand and Royal Canals and the Barrow Navigation, on the average of the three years, 1821 to 1823, when compared with the average of the three years from 1831 to 1833:—

Average Traffic. Average Traffic. 1821-22-23. 1831-82-33. 227,169 Tons. 141,973 35,487 Grand Canal 140,236 Tons up..... 19,478 30,558

Tons.....271,674 435,187 106.—It was given in evidence, by Sir John Guest, before the Committee of 1840 on Import Duties, that in the year 1806 the quantity of iron made in the kingdom was increased to 288,000 tons; that in 1823 the quantity produced was 452,000 tons; in 1825 it had reached 581,000 tons; and in 1828 the quantity was 703,000 tons. At this point the manufacture remained stationary for a few years, but in 1831 it again began to advance, and in 1835 the quantity made was estimated on good grounds at a million of tons. In the following year the estimate was 1,200,000 tons, and in 1840 it reached 1,500,000 tons.

was 1,200,000 tons, and in 1840 it reached 1,500,000 tons.

107.—The expense of constructing canals depends so much upon local circumstances, that it is impossible to give data of general application. Some idea, however, of the relative proportion which one part of the work bears to another, may be had from the following abstracts of estimates by Mr. Baird and Mr. Telford.

108.—Edinburgh Union Canal, 32 miles.

Mr. Baird) Cutting ambapting puddling toming paths.

108.—Edinburgh Union Canas, (Mr. Baird.) Cutting, embanking, puddling, towing paths, (Mr. Baird.) Cutting, embanking, puddling, towing paths, 264,000; £71,000; bridges, aqueducts, tunnels, drains, £34,000; land, £23,000; fencing, £5500; nine locks, rise 110 feet, £17,000; reservoirs, £12,000; total, £212,500.

109.—Leicestershire and Northamptonshire 109.—Leicestershire and Northamptonshire Canal, 42 miles. (Mr. Telford.) Cutting, &c., £130,000; bridges, &c., £65,000; land, £18,000; fencing, £6700; total, £219,700. The rise effected by a lock varies from 4 to 12 feet, according to circumstances, but seldom exceeds feet. The expense appears from Mr. Telford's estimates to vary in general from about £120 to £160 per foot rise. 110.—In 1830 the receipt for dues on the

Weaver Navigation was upwards of £20,000.

-On the Grand Junction Canal, (1844,) between London and Birmingham, fly boats are employed, which average a speed of 4 miles per hour; they weigh from 7 to 7½ tons, and carry from 10 to 15 tons of goods. The ordinary heavy boats are dragged at the rate of from 2 to 21 miles the hour: they carry 20 tons of goods, and weigh 64 tons; others carry 24, and weigh 9 tons. [STOCKS.]

112.—In 1740, the quantity of iron made in England and Wales had sunk to 17,350 tons; in 1788, after the cylinder invention, the total annual produce was atter the cylinder invention, the total annual produce was 68,300 tons. By 1796 it was 108,793 tons, or including Scotland, 124,879; the iron trade in that country having more than doubled in eight years. In 1802, the annual produce of Great Britain was estimated at 170,000 tons; in 1828, it had grown to 442,066 tons; and in 1828, to 702,504 tons / Porter's Progress of the Nation, sec. 2, ch. 6, 0 But, owing to the recently extended applications of iron to relieve the columns and the second of the columns. But, owing to the recently extended applications of iron to railways, machinery, gas apparatus, roofs, columns, windows, and furniture, this rapid advance was nothing to its progress in the next decade. "In 1835," says Sir John J. Guest, an experienced ironmaster, "it was estimated at about a nillion of tons; in 1836, it was estimated at 1,200,000 tons; and the estimate made by a very intelligent tons, which is rather increasing." (Report on Import Duties, 1840. Evidence, Q. 392.) This increase was proportionally greatest in Scotland, where such was the expansion of the iron-trade, that the produce, though only 37,700 tons in 1828, was, according to a report laid before the Glasgow Chamber of Commerce, augmented, in 1840, 250,000 tons, a quantity greater by 47 per cent. than the to 250,000 tons, a quantity greater by 47 per cent. than the total produce of all Britain in 1802.

113.—The price of iron has been subject to very great fluctuations, especially of late years. In September, 1824, the current of common bars at the shipping port was £9 a ton; in March, 1825, a peried of great speculation, it rose to £14; but by March, 1830, owing to speculation, it rose to £14; but by march, 1830, owing to the extended production consequent on this high rate, it fell to £5 5s. a ton. Since that period, in consequence of the increased demand for railways and other purposes, the price has risen considerably, and at present (February 1842) it is quoted, in bars, at £6 15s. a ton; that of pig being £4. Taking the quantity stated above, 1,500,000 being £4. Taking the quantity stated above, 1,500,000 tons, as the present annual produce, and applying this last price of £4, gives the value, in pig, at £6,000,000; to which, adding £3,000,000 as the cost of converting seven-tenths thereof (the common estimate) into bars, bolts, rods, sheets, and the other forms of wrought iron, makes the total annual value of the manufacture £3,000,000.

114.—The exportation of British iron has increased in a degree corresponding to its production, notwithstanding the high duties with which it is loaded in almost all foreign countries. In 1820, the quantity of wrought and unwrought iron and steel shipped was 85,068 tons, of the declared value of £1,131,788; in 1839, 247,912 tons, and value £2,719,824; and in 1840, 268,328 tons, value £2,524,859; in 1841, the value was £2,867,950. The exportations in 1839 consisted of 124,138 tons barriers should be supported by the state of 1840, 1840 iron, about one-half of which was sent to the United States and the remainder chiefly to Italy, Holland, India, and the colonies; 12,315 tons in bolts and rods, sent to Portu-gal, Italy, Germany, and India; 43,460 tons pig-iron, shipped mostly to the United States, France, and Holland; shipped mostly to the United States, France, and Holland; 10,837 tons cast iron, chiefly to the United States and British colonies; 777 tons wire to Belgium, Germany, United States, &c.; 3108 tons of anchors and grapnels, 11,225 tons hoops, 7195 tons nails, and 30,334 tons of all other sorts of wrought iron, (except ordnance,) chiefly sent to the colonies, India, United States, Holland, Germany, and S. of Europe; 549 tons old iron; and 3974 tons unwrought steel, mostly to the United States.

115.—The following amounts were received for Tonnage on the Birmingham Canal Navigations:—in 1818, £84,295; 1819, £83,442; 1820, £63,303; 1821, £85,675; 1822, £79,733; 1823, £88,805.

116.—There are on the Trent and Mersey Canal 127 aqueducts and culverts; 91 locks; 6 tunnels. Harecastle tunnel is 2880 yards long. The total length of the canal is 93 miles.

117.—In Mr. Scrivenor's History of the Iron trade, the number of furnaces in blast, and estimated Iron trade, the number of furnaces in blast, and estimated annual make of iron in the different districts, in 1839, was stated as follows:—South Wales and Forest of Dean, 120 furnaces, 532,460 tons; South Staffordshire, 180 furnaces, 389,730 tons; North Staffordshire, 10 furnaces, 28,600 tons; Shropshire, 24 furnaces, 85,960 tons; Yorkshire, 13 furnaces, 37,440 tons; North Wales, 12 furnaces, 28,060 tons; Newcastle-ontyne, 5 furnaces, 11,440 tons; Scotland, 50 furnaces, 195,000 tons. Total, 378 furnaces, 1,347,790 tons.

118.—The present annual produce in fo-118.—The present annual produce in foreign countries, in so far as it is known, or has been estimated, may be stated as follows:—France possesses 475 furnaces, which produce 347,700 tons of cast-metal /fonte, worth \$\frac{x}{2},20,000; and 1500 refining furnaces, which produce 224,100 tons of malleable iron (gros fer.) worth \$\frac{x}{2},720,000 (Report of Minister of Commerce, 1841); Sweden, 100,000 tons; United States (in 1837,) 250,000 tons; Belgium (in 1837), 135,000 tons, from 89 furnaces; Saxony, 99,427 quintals, from 19 furnaces; Styria, 20,000 tons; Spain, 8000 tons.

119 — The quantity and declared value of

119.—The quantity and declared value of 117.—1 ne quantity and declared value of hardware and cultery exported (exclusive of pig and wrought lron), was in 1820, 6697 tons, £949,085; in 1830, 13,239 tons, £1,410,386; in 1835, 20,197 tons, £1,833,043; in 1836, 21,072 tons, £2,271,313; in 1837, 13,371 tons, £1,460,807; in 1338, 15,295 tons. £1,498,327; in 1839, 21,176 tons, £1,828,521; and in 1840, 14,995 tons, £1,349,137; in 1841, the value was £1,625,191. About one-half is sent to the United States; the remainder to the colonies. India. Germany, and indeed most countries with colonies, India, Germany, and indeed most countries with which we have commercial relations. Of late, the exports have been somewhat checked by foreign competition, chiefly that of Belgium and Germany.

120.—Before the Duke of Bridgewater 120.—Before the Duke of Bridgewater began his canal, the price of water carriage by the old navigation on the rivers Mersey and Irwell, from Liverpool to Manchester, was twelve shillings the ton, and from Warriagton to Manchester, ten shillings the ton. Land carriage was forty shillings the ton, and not less than two thousand tons were yearly carried on an average. Coals at Manchester were retailed to the poor at seven-pence per hundred weight, and often deerer.

hundred weight, and often dearer.

121.—An anonymous friend (as he styles himself) of Mr. Brindley says, "He was the greatest enthusiast in favour of artificial navigations that ever existed. Having spoken upon various circumstances of rivers before a committee of the House of Commons, in which he seemed to treat all sorts of rivers with great contempt, a member asked him for what purpose he apprehended rivers were created? Mr. Brindley, considering with himself a moment before he gave an answer, replied at last, "To feed navigable canals."

122.—Previous to the establishment of the Groser's Company, in 1811, the charge upon grain going from Liverpool to Manchester, was 13s. perton; the charge upon sugar was 16s. 8d.; upon cotton, 20s.; upon down goods, 20s.

123.—Those charges were made by the Duke of Bridgewater's Canal, and the Mersey and Irwell.

124.—The charges were continued a little while after the Grocer's Company was established, and reduced about eighteen months afterwards; that upon grain to 12s. 6d. per ton; upon sugar, 12s. 4d.; upon cotton, 18s. 4d.; and upon down goods to 15s.

125.—The Grocer's Company was the first additional conveyance that was established on either of

the Canals to Manchester.

126.—In the year 1788, there belonged to the port of Liverpool, of all descriptions, four hundred and thirty-three vessels, measuring 71,983 tons; in 1800, 536, measuring 91,010 tons; and in 1824, 1115 vessels, measuring 176,151 tons. In 1788 there entered the port of Liverpool 3677 vessels. At that period the average port of Liverpool ov/ vessels. At that period the average of shipping frequenting the port was not above one-half what it now is; in 1800, 4746, the tonnage 450,060 tons; in 1824, the number was 10,001, and the tonnage, 1,180,914

127.—The extent of the increased charges that led to the establishment of the Grocer's Company was as follows:—Corn was raised from 11s..8d. to 15s., flour from the same price to 16s. 8d., cotton from 16s. 8d. It was a simultaneous advance on the part of both the Trustees and the Old Quay.

128.—In 1805 the warehousing system was extended to Liverpool, and in 1806, the number of ware-houses occupied with bonded goods was 85; in 1824, the

number was 204.

129.—In 1790, the quantity of cotton inported was 68,404 bales: in 1890, the quantity was 92,580 bales; in 1823, the quantity was 578,300; in 1824, there was a falling off, on account of the deticiency of the crop in America, and it amounted only to about 447,000 bales; so that, between 1800 and 1825, it rose from 92,588 to 578,000 bales.

130.—In the year 1752, the population of 100.—In the year 1/32, the population of the town of Manchester was only 19,000; in the year 1773, it was only 27,000; ten years after the Duke's Canal, after both the canals were in play, 27,000; in the year 1821, 183,008; in the year 1824, 160,000. Now, look to Liverpool. In the year 1783, it was 66,000; in the year 1824, it was 164,000; in the year 1724, there was not a single bag of cotton entered into Liverpool; in 1824, 10 000 0000b. passed between those two places. 10,000,000lbs. passed between those two places.

131.—In the year 1788, there belonged to the port of Liverpool, of various descriptions, 433 vessels: measuring 71,983 tons; in 1800, 535, measuring 91,010 tons; and in 1824, 1115, measuring 176,151 tons. In 1788 there entered the port of Liverpool 36.7 vessels. In 1800 the number was 4746, the tonnage 450,060. In 1824 the number was 10,001, and the tonnage 1,180,914. In 1805 the warehousing system was extended to Liverpool, and in 1806, the number of warehouses occupied with bonded goods was 85; in 1824, the number was 204. In 1790, the goous was 89; in 1824, the number was 204. In 1790, the quantity of cotton imported, was 68,404 bales; in 1800, the quantity was 92,580 bales; in 1823, the quantity was 578,300; in 1824, there was a falling off, on account of the deficiency of the crops in America, and it amounted only to 447,700 and odd bales.

132.—The debt upon the Leeds and Liverpool Canal, in 1825, was £391,681, and that upon the Leigh branch, £44,162 8s. 2d.

133.—The original cost of the Leigh Branch was £61,419 4s. 4d., and the cost of the Leeds and Liverpool Canal was £1,317,295 18s. 6d.

134.—The expense of the annual repairs of

135.—There has been expended, for the accommodation of fly-boats, and trade in general, on the locks, £1905 19s. 72d., and, since 1818, in the purchase of land and building warehouses, &c., £15,786 3s. 52d.

136.—In 1823-4, the Leeds and Liverpool

Canal Company spent upon the purchase of lands and wharfs, 425,920 l6s.

137.—The quantity of merchandize that has passed on the Leigh branch, from Liverpool to Manchester, during the same year, was, in 1821, the first year, 12,693 tons; in 1822, 22,423 tons; in 1823, 26,830½ tons; in 1824, 31,437 tons.

138.—The gross amount of tonnage carried in 1824, by Kenworthy, from Liverpool to Manchester, was about 8000 tons. The tonnage of back carriage from Manchester to Liverpool was about one-half, altogether,

12,000 in the year.

139.-The Old Quay Company had, 1825, at Manchester, seven warehouses. They have had 1825, at Manchester, seven warehouses. They have had on the premises, at one time, very near 20,000 bags of cotton, and near 70,000 bushels of corn, and nearly at the same time. In 1825, they had upwards of 4000 tons of dyewood, and have had more than 5000 tons at one time. Up to 1819, the Company had expended, is building warehouses, from 70 to £90,000; and in 1824, they erected other premises, at a cost of from 14, to £15,000.

140.—The quantity of corn carried by the Old Quay between Liverpool and Manchester, in every year since 1819; in the year ending March, 1820, 618,783 bushels; in the year ending 1821, 599,391; in the year ending March, 1822, 509,000; in the year ending March, 1824, 620,000. The difference between 1819-20, and 1823-21, and 1823-22, and 1823-23, and 1823-24, 24, is only 2000 bushels, or theresbouts; and between 1820 and 1824, there was an increase of somewhat less than 2000 bushels; in the year ending March, 1825, 783,000 bushels. Though it had increased from 1820 to 1824, by about 2,000 bushels, it appears between 1824 and 1825, it had increased by 162,000 bushels.

141.—The number of flat loads of goods sent by the Old Quay between the year 1816 and 1821. In 1816, 2483 flats were loaded; in 1817, 2689; in 1818, 3071; in 1819, 2903; in 1820, 3282; in 1821, 3234; in 1822, 3337; in 1823, 3550.

142.—The export of iron in 1836, in bars, rods, pigs, castings, wire, anchors, hoops, nails, and old iron, amounted to 189,390 tons; in unwrought steel, to 3014, and in cuttery, to 21,072; in whole to 213,478: leaving apparently for internal consumption, 776,522 tons, from which, however, one-tenth probably, should be deducted for wast:, in the conversion of the bar iron. Hence 700,000 tons may be taken as the approximate quantity of iron made use of in the United Kingdom, in the year 1836.

143.—The following tabular view of the metallic produce of the British mines, is given by two very skilful observers, in a work published in 1827, entitled Voyage Metallurgique en Angleterre, par MM. Dufrenoy et Elie de Beaumont:-

		Tons.	Tons.
Tin	Cornwall alone		3,160
	(Cornwall		
	Devonshire	537	
	Staffordshire	38	
C	Anglesey		11,469
Copper `	Wales	55 (11,403
	Cumberland	21	
	Ireland	738	
	Scotland	- 11)	
	Wales	7,500 \	
	Scotland	2,800	
Lead	Cornwall and Devonshire	800 (31.900
Deau	Shropshire	800 (31,500
	Derbyshire		
	Cumberland	19,000	
Cast Iro	n about		600,000

144.—The Manganese raised in England exceeds 2000 tons.

145.-M. Heron de Villefosse inserted in the last number of the Annales des Mines for 1827, the following statistical view of the metallic products of

rance :	Tons.
Lead in pigs (saumons)	103
Litharge	513
Sulphuret of lead, ground galena (alquifoux)	112
Black copper	164
Antimony	91
Manganese	765
Crude Cast Iron	25.606
Bar iron	
Steel	
Silver in ingots	
The total value of which is estimated at 80 n	

francs; or about £3.490,000 sterling.

146.—There were, in 1838, from 33,000 to 35,000 tons of clay annually exported from Poole, inDorsetshire, to the English and Scotch potteries. A good deal of clay is also sent from Devonshire and Cornwall.

147.—There passed upon the Caledonian canal in the year between 1st May, 1836, and 30th, April, 1837.

	West to the East Sea	
Passages on part	East to the West Sea	249 578
Passages made b	y steam vessels	199

1242 The tonnage rates upon which amounted to £2520.

148.—A careful examination of the cost and receipts from eighty-seven of the one hundred and seven canals of Great Britain, was made in 1825, it appeared that the receipts did not average 22 per cent. per annum. This list did not include the canals constructed for sea vessels; and some expensive works were not included in this list of eighty-seven. Three of the canals yielded upwards of 100 per cent. per annum. These, and the ship canals, were, therefore, omitted in a calculation intended to ascertain the usual or general result. All of these canals were particularly unproductive during their construction, and the great majority were for many years much less productive than at a subsequent period. The calculation productive than at a subsequent period. The calculation (which only approximates to accuracy) proves that the canal stock, of even populous and commercial Great Bittain, has been generally ruinous to its proprietors.

149.—The New York canals are free from

ice only 220 days on an average in each year (1831.) In Pennsylvania, the streams of the country are free from ice about 240 or 250 days in each year.

150.—Canals are also fatal to human life; boatmen and others often find in them a watery grave; they are also crushed when passing the locks, or beneath the low bridges. From these causes alone, more lives have been lost on the New York Canal in one month, than on all the railroads in the United States during six years. The Paddington Canal, London, has been called "the suicide's assistant."

151.—Extract from "Petition of Proprietors of Stage Coaches employed on the Turnpike roads within the County of Lancaster, and travelling in the following line of roads, viz:—

Liverpool, through Warrington to Manchester.

to St. Helens.

to Newton and Wigan. ,,

to Leigh and Bolton. "The petitioners take leave to exhibit the following facts and statements of calculations, viz:—of the taxes paid to government, and tolls paid to the commissioners of the turnpike roads, over which the 33 coaches travel between the points before stated, and the cost of working the taxes are received and the cost of working them for the year last past. Presented 3rd May, 1830."
Duty for 33 coaches for one year £8455 16 8

Assessed taxes for coach servants . 261 0 0 Mileage for 26 coaches to

Manchester, at 13/. 4s .4818 0 0 day
Ditto for 2 coaches to 638 15 0 Wigan, at 01. 14s 8d. 267 13 4

Helens, at 04. 3s. 0d. 54 15 0 5779 8 4

Tolls for 33 coaches, at £18 10s. 8d. per day. 8005 13

EXPENSES. Harness for 709 horses, at £4 per ...2886 0 0

46,716 0 Deduct value of manure, which is calculated at the price of straw. . 4615 0 0

42101 0 0 £64602 13

- 14496 0 0

152.—An Account of the Gross Amount of Tonnage Dues received on the River Weaver and the Weston Canal, in each year from 1801 to 1837.

				Amount	
of Tonnage			of Tonnage		
ears. received.		Years.	received.		
4	€15.407	1819-20	4	£19,116	
	16,490	1820-21		19.062	
	14,809	21-22		16,701	
	14.023	22-23		17,758	
		23-21		21,122	
		24-25		21.332	
		25-26		22,988	
		26-27		20.868	
		27-23		28,017	
		28-29		26,594	
		29 - 30		28,046	
				30.221	
				28.879	
				29,800	
•••				32,156	
				29,384	
				26,270	
				27,916	
		00 01		27,010	
				.,	
	of Te	received. #15,407 16,490 14,809 14,023 15,659 16,630 17,524 17,076 21,744 23,846 16,379 20,590 18,357 29,091 23,194 13,169 15,600	of Tonnage received.	of Tonnage received. ### 15,407 16,490 1820—21 14,809 21—22 14,023 22—23 15,659 23—24 17,579 24—25 16,630 25—26 17,524 26—27 17,076 27—28 21,744 26—29 23,846 29—30 16,379 1830—31 20,590 31—32 18,357 32—33 29,091 33—34 23,194 34—35 13,139 35—36 15,600 36—37	

153.—The quantity of iron made during the first six months of 1842, in Yorkshire, Derbyshire, Staffordshire, Shropshire, South Wales, and Scotland, was

Yorkshire	18.
Derbyshire	,
Staffordshire	,
Shropshire 40,643 ,,	,
South Wales	,
Scotland	,
,,	

Together..... 523,214 tons Equal to 1,046,42s tons per annum

154.—Of flint glass about 55,000 cwts. are made annually; of plate about 30,000 cwts.; of crown, about 118,000 cwts., and of bottle-glass nearly 200,000 cwts.

155.—THE DISC ENGINE AND CAPTAIN CARPENTER'S PROPELLERS .- We are informed that the boat, fitted up with Captain Carpenter's propellers and the disc engine, the performance of which we noticed in our last number, has since been made the subject of ex-periment on the Grand Junction Canal, the experiments being conducted in the presence of Sir F. Head, the chairman of the Board of Directors of the Canal Company, and other influential members of the Board, and of some gen-tlemen who attended from the well-known firm of Messrs. Pickford and Company. We learn that Captain Carpenter's boat was at first employed to tow a canal barge, heavily laden with bricks, and that subsequently she was attached to one of Messrs. Pickford's fly boats, fully laden, which to one of Messis. Figure 2 and construction of the was drawn for about five miles at a much higher speed than can be accomplished economically by horses. The than can be accomplished economically by horses. experimental trials are stated to have continued upwards of three hours, and the results obtained such as to have induced all the gentlemen present to concur in the reinduced all the gentlemen present to concur in the remark that, as regards the application of steam-power to canal navigation, this apparatus, combining all the requisites of extreme simplicity, perfect manageability, and small cost, provides all that can be required for this purpose; the only question remaining to be determined, being the relative cost of steam power thus supplied, and of the ordinary mode of towing canal boats. On this head, the proprietors of the disc engine, and of the propelling apparatus, state that they are in a position to show that such a reduction will be effected in the cost of canal transit, as will prove of great advantage to the public, and of most especial importance to the Proprietors of canals. We think it highly creditable to the Committee of the Grand Junction Canal Company that, subsequently to these trials, they have spontaneously voted to Captain Carpenter the sum of £100 as an expression of their opinion of the important services rendered to the canal in-terests. We understand that the steam pressure at the experiment which Mr. Herapath witnessed was 28lbs., not 38lbs. per inch, as proved by the mercurial column the next day. The gauge was incorrectly graduated.—Railway Mug., April 30th, 1842.

156.—NEW SYSTEM OF INLAND TRANS--An experiment has been made on the Forth and Clyde Canal, in Scotland, which seems likely to affect seriously the relative value of property in canals and rail-ways. On some canals in Scotland, light iron vessels, capable of carrying from 60 to 100 passengers, are towed along by a couple of horses, at a rate of ten miles an hour; and this is effected by what is called riding on the wave. This new system of wave navigation, the theory of which has been fully explained in the reports of the meetings of the British Association, has hitherto been limited in its use by the speed of horses. The experiment to which we now allude shows that the locomotive engine is capable of performing feats equally astonishing in water as in land carriage. A locomotive engine, running along the banks of the canal, drew a boat, loaded with sixty or seventy passengers, at a rate of more than nineteen miles an hour! passengers, as a rate of most train in the many many and this speed was not exceeded only because the engine was an old fashioned coal engine, whose maximum speed, without any load, does not exceed twenty miles an hour; so that there is every reason to infer that, with an engine of the usual construction employed on railways, thirty, forty, or fifty miles an hour will become as practicable on a canal as on a railway. The experiments to which we refer were performed under the direction of Mr. Macneill. -YEAR BOOK OF FACTS. (1840.)

157.—The LIVERPOOL SCREW is an iron vessel of 65 ft. long, 12‡ ft. beam, and 3 ft. 9 in. draught of water. The vessel is propelled by two high-pressure of water. The vessel is propertied by two ingui-present of costillating engines, with cylinders 13 in. diameter, and 18 in. stroke. In some experiments, the pressure of the steam in the boiler varied from 50 to 60 lbs. per square inch, and was cut off at one-fourth of the length of the inch, and was cut off at one-fourth of the length of the stroke, working the remainder by expansion; the nominal power was 20 horses, but it did not really exceed 184 horses. The cylinders were placed diagonally, with both the piston rods working upon the same crank, the driving shaft being beneath the cylinders, and running directly to the propeller without the intervention of either geering or bands. The screw-propeller was enlarged three times, and at last was left at 5 ft. 4 in. diameter, by 20 in. in length, it was set out with a with swanding from 11 to length; it was set out with a pitch expanding from 10 to 11 feet, on Woodcroft's plan; it was made of wrought iron, with four short arms with broad shovel ends, whose united area was 16 square feet, 13 feet only of it being immersed area was 16 square feet, 13 feet only of it being immersed, as some portion of the arms was constantly above the water; the angle of the centre of the float was 45°; the speed of the propeller was generally 95 revolutions per minute. With these dimensions, the speed attained was described at 104 statute miles per hour. The amount of slip of the screw in the water, as ascertained by Massey's log, was stated not to exceed 5 per cent. Several experiments showed that there was not more tendency to "list," to turn round by the action of the screw, than with paddle to turn round by the action of the screw, than with paddle wheels; and the vessel was said to have excelled all the other steamers in the port of Liverpool in towing out vessels in a rough sea. - GLASGOW PRACTICAL MECHANIC. (1844.)

158.—CANAL STEAMNAVIGATION.—Mr. H. Davies (the inventor of the disc engine) has constructed eight towing boats, fitted with disc engines, for the Bir-mingham and Liverpool Junction Canal Company, and ningnam and Liverpool Junction canal Company, and these are now regularly employed in carrying on an exten-sive traffic on a line of canal extending from Autherly, near Wolverhampton, to Ellesmere Port, on the Mersey, a dis-tance of 69 miles, in which two trains, usually consisting of six or eight loaded boats, are started from each termior six or eight loaded boats, are started from each terminus of the above line every day, and, by this means, a quantity of merchandise, averaging between 2,000 tons and 3,000 tons per week, is conveyed by the use of steam power on canals. The average weight of merchandise conveyed in each train exceeds 100 tons, and the haulage of this for one mile is effected by the consumption of less than ½ cwt. of coal; consequently, the power of hauling one ton of goods one mile is yielded by the consumption of less than half a pound of coal. The engine is managed by one means goods one mile is yielded by the consumption or less than half a pound of coal. The engine is managed by one man; the train of boats is steered by one man; and the sole additional attendance is that of a conductor, (whose chief duty is to prevent pilferage,) except in passing locks, when extra assistance becomes necessary. An equal quantity of goods could not be moved by horse power, without the continued employment of six horses, with the requisite relax for changing these and at least twenty. Our relays for changing these, and at least twenty-four men on board the boats.—MECHANICS' MAGAZINE, 1844.

159.—SCREW PROPELLERS ON CANALS. Steam tugs, with screw propellers, have been successfully introduced on the Union Canal; with boats, the first of the kind introduced into Scotland. They are built of iron by Messrs. John Reld and Co., Port Glasgow; and the engines, screw propellers, &c., are fitted up by Mr. Wm. Napier, sen., engineer, Glasgow. The engines are on the upright principle. They communicate their power to the screws placed on each side of the bow; and by a very nice arrangement of wheels with wooden and iron teeth (in order to prevent noise and vibration) they are driven at a great speed without creating any of that surge or wash on the banks which has hitherto formed the chief objection to the use of steamers on canals. The result of the experiment gave great satisfaction; and, independently of the gain in point of speed, it is calculated that there will be a considerable saving in expense, compared with the ordinary mode of tracking by horses. The steam boat had attached to her six very large scows deeply laden, but it is capable of towing double the number without material diminution of speed. The scows to be tracked are connected together by rods having a parallel movement, and all under the control of the steersman on board the steersman of that the necessity of a separate rudder and steersman for each scow is avoided—the whole train moving along with a steady and uniform motion.—Glasgow Citizen, 1844.

160.—RAILWAY VIADUCTS.—The cheapest stone viaduct in England is probably the Dutton Viaduct, over the Weaver, on the Grand Junction Railway. It is on a piled foundation, and carries the line over the navigation at a height of 65 feet, in twenty segmental arches, of 60 feet span. It is about 80 feet from the foundation to the level of the rails, 1424 feet long, and taken at 30 feet wide, will be found to fill a chasm of 130,000 cubic yards, at a cost of £53,000; being about 8s. per cubic yard.—RAILWAY CIRONICLE, 1344.

161.—SEVERN IMPROVEMENT.—The Lincoln Lock and Weir being the first of the series connected with this important work, have been brought into full operation. The lock is 100 ft. long by 20 ft. wide, with a lift of 7 ft. at low water. The walls and invert are faced with blue Staffordshire bricks of excellent quality, and are built upon a foundation of red sandstone rock. The water is let in and discharged through a culvert 7 ft. high by 4 ft. 6 in. wide, built in one of the walls, and running parallel with the lock chamber, with which it communicates by seven arched openings; by this arrangement the lock is filled with such rapidity, that vessels have been passed through it in 2½ minutes. The weir, which is 300 ft. in length, is constructed of two rows of sheet piling, the waling of which forms the upper and lower sills, the intermediate space being filled with blocks of red sandstone; a large quantity of this material is also placed below the lower sill to protect the piles from the action of the water. Both the lock and the weir are placed in artificial cuttings, which arrangement required the waters of the Severn to be diverted from their original course. From a variety of causes this was a work of no small labour and difficulty, but it was successfully performed, and the water was turned into its new channel over the weir on the 30th of December, 1844. Four other locks, one being 150 ft. long by 30 ft. wide, together with their accompanying weirs, which range from 300 to 400 ft. in length, are in course of construction between Stourport and Deglis, near Worcester. The works below Worcester consist of a series of embankments, and the deepening of the navigable channel by dredging.—Civil Engineer and Aechitzer's Journal, Part 78.

162.—According to the evidence on traffic given before a committee of the House of Lords on the Cheshire Junction Railway Bill, in 1836, it was proved that the water carriage between Manchester and the following places, viz., Birmingham, West Bromwich, Wednesbury, Worcester, Gloucester, Wolverhampton, Dudley, Bilston, Tipton, Stourbridge, Stourport, Shropshire, Shrewbury, South Wales, the Potteries, Newcastle, Stone, Stafford, Nantwich, Chester, Middlewich, Sandbach, Northwich, and Staffordshire, amounted annually to 364,098 tons. The trade from Manchester to London, and the other southward traffic (not included) added to the foregoing, will give about 700,000 tons per annum, at the least.

163.—In 1833 trials were made on the Paddington Canal of a new Canal Boat, the object of which was to show, that a boat built in a different form, and constructed of other materials than those of the ordinary canal boat, might, by using superior horses, be drawn along the water at the rate of ten miles or more in an hour, instead of at two, the pace of the boats now in use. The day was remarkably fine. The portion of the canal more particularly appropriated to the experiment was from the third to the seventh mile from Paddington. The boat was constructed of sheet iron, riveted hot. It was 70 feet long, by five and a half wide, painted green and white, and provided with an awning of white twilled cotton cloth, rendered semi-transparent with oil. The rudder is a single sheet of iron about a yard long, and moved by a tiller made of about two yards of stout rod iron. Two steady hunting horses, each mounted by a lad, and the two harnessed to a towing rope of about 150 feet in length, constituted the moving power. The number of persons on board the boat was 48, including the crew, the gentlemen making the experiment, some of the principal members of the Grand Junction Company, and the visitors, amongst whom were Mr. Telford, Mr. Babbage, and Captain Basil Hall. Certain distances were measured on the canal bank, and marks set up at the ends of them. At each of these places also, a man was stationed with a gauged rod in his hand, with which, as the boat passed, he might mark the height of the wave caused by the disturbance of the water. The speed from one station to another, taken by second watches, showed, for some time, a progress at the rate of thirteen miles an hour. The horses, however, began to tire, and the speed fell to eleven, and ultimately, in returning for the third time, to ten and a quarter. The motion is the easiest imaginable. The boat gildes along the water so smoothly and noiselessly, that its progress is all but timperceptible to those on board whose attention is not directed to external objects. The

164.—In 1833 a small canal steamer, called La Reine, built at Manchester, conveyed to Belgium, being intended to ply with goods and passengers on the grand canal between Ostend, Bruges, and Ghent, instead of the truckschuyts or boats drawn by horses, hitherto employed in the communication between those cities. The engine is on the high pressure principle. Her hull is entirely of iron, with one paddle-wheel fixed in an opening of the stern, so that her engine room and bollers are abaft the principal cabins. This has been so fixed to prevent the agitation occasioned by the wheel injuring the banks of canals. She is steered by two rudders, one on each side the paddle wheel, but both managed by a single wheel upon deck; and we understand that upon her passage from Liverpool to Milford she averaged seven miles an hour, in spite of the cross seas of the Irish channel; of course, in the smooth water of the Belgic canals her speed will be considerably greater.—United Searvice Journals.

165.—In 1823 the total length of canals in Great Britain, excluding those under five miles, was 2589 miles.

166.—The Newcastle coal formation contains 5,575,680,000 cubic yards, extending in length 23 miles. 23,000,000 tons of coal are annually raised, being 31 millions of cubic yards.

167.—There was a drawback allowed on coals consumed at the mines (in certain situations,) which, for the county of Cornwall, amounted in 1829 to £16,148.

168.—The value of machinery exported from Great Britain during the six years ending 1829, has been—1824, £129,625; 1825, 212,416; 1826, 233,955; 1827, 214,123; 1828, 265,868; 1829, 256,539.

169.—The total amount of tonnage-rates levied from vessels navigating the Caledonian Canal, from May, 1833, to May, 1834, was £2077 2s. 7&d. The expenditure during the same period, amounted to £3802 19s. 5d. The revenue of the canal has remained nearly stationary during this period; but the intercourse carried on by its means, between the ports of Glasgow and Inverness, has been nearly doubled.

170.—The Mersey and Irwell Company's shares, originally of the value of £70, sold, before the opening of the Liverpool and Manchester Railway, for a sum as high as £1250 each.

171.—It has been calculated that the available coal beds of Lancashire amount in weight to the enormous sum of 8,400,000,000 tons. The total annual consumption of this coal, it has been estimated, amounts to 3,400,120 tons. Hence it is inferred that the coal field of Lancashire, at the present rate of consumption, will last 2,470 years

172.—In consequence of the duty imposed upon printed cottons, we are acquainted with the quantity which has undergone the process at different periods in England, up to the year 1831, when the duty was wholly

repealed.
The quantity printed in 1796 was... 20,621,797 yards.
In 1800 it had increased to 32,869,729 ,,

173.--THE RAILWAYS AND CANALS TO BIRMINGHAM AND LIVERPOOL.—It was stated by Captain Huish, in is evidence before the railway committee, while explaining why the Grand Junction Railway was exposed to greater Canal competition than the London and Birmingham, that the canal which competes with the latter is 149 miles in length, and has no fewer than 172 locks, whereas the Grand Junction Rallway is situated between two canals, one of which is shorter than the railway, and has only 66 locks. The other canal is 13 or 19 miles longer than the railway. The two canals compete with each other than the railway. The two canals com and the railway.—RAILWAY RECORD.

-Toll for Coal in 1843.--At a meeting of the Midland Counties Railway, at Derby, 14th of February, 1843, it was stated by Mr. WATERS, that of February, 1843, it was stated by Mir. WATERS, that the charge for coal was ld. per ton per mile for locomotive power, \$\frac{1}{2}\text{d}\$. per ton per mile for use of wagons, and 4d. per ton per mile for loading and superintendence.—The York and North Midland Railway Company forwarded during six months to 31st December, 1842, 11,728 tons of coals, 2,896 tons of lime, 780 tons of fish, 3,676 tons of grain, 12,870 tons of first class goods, 16,472 tons of second class goods, and 19,565 tons of third class goods.

175.—The number of hands employed in Cheshire in getting rock salt, and making white and refined salt, is supposed to be about 1200.

176.—The Bristol and Exeter Railway Com-170.—1 He Dristol and Exerce reality Company, for six months ending 13th December, 1844, as follows:—tollage on 32,992 tons, \$\alpha\$1433 5s. 4d., being \(\frac{1}{4}\)d. per ton per mile; and \$\alpha\$7679 4s. 8d. for tollage on 12,599 passengers, conveyed 7,372,066 miles, at \(\frac{1}{4}\)d. per mile.

177.—Between Wolverhampton and Stourbridge there are at present about one hundred blast furnaces in work, producing about 468,000 tons of pig iron annually, to produce which nearly 4,000,000 tons of coals, annually, to produce with nearly spool-to-work of todas, lime, ironstone, and other raw materials are consumed. The export of iron from the district is about 240,000 tons annually, in addition to large quantities of heavy hardwares, tin plates, glass and other goods; and Lord Ward's estate alone produces upwards of 1,000,000 tons of coal transpoller. Became of Theory Export Cal and iron annually.—Board of TRADE REPORT, Feb. 28th, 1845.

178.—In March, 1845, there were about 2,000 miles of Railway, narrow gauge, 4 ft. 8 in., and 300

wide gauge, 7 feet.

179.—The Cromford and High Peak Railway is 33 miles long, a sixth part of which is covered by inclined plane machinery and stationary engines, and cost about £18 per mile for maintenance of way in 1842.

180.—The number of passengers carried on the Greenwich Railway on Good Friday 1842, was 8,849, and the receipts £255 5s. 3d. On Easter Monday the number conveyed was 19,875, and the receipts £530 9s. 3d.

181.—THE SNOW AND RAILWAYS. railway between Stockton and Darlington was completely choaked with snow on Tuesday morning. A large num-ber of men were employed clearing the rails for the trains. The first train from Darlington was two hours in reaching The first train from Darlington was two hours in reaching Stockton, (12 miles) having to travel first on the down line and then to cross to the up line frequently during its passage. The north mail (from Edinburgh) was thirteen hours behind its time into Darlington on Tuesday, and about eight hours late on Wednesday, the bags having to be conveyed part of the way on horseback.—RAILWAY TIMES, 5th Feb., 1842.

182.—The number of passengers carried on the Great Western Railway on Tuesday last (the day of the Christening of the Prince of Wales), was 6,373. Trains ran every half, hour between London and Slough, the near-est point to Windsor. Railway Times, Jan. 29, 1842. 183.—In 1842 an important dispute existed between the Manchester and Leeds, Manchester and Li-verpool, and Manchester and Birmingham Railway Com-panies, in which it cappears the latter were completely

panies, in which it appears the latter were completely panies, in which it appears the latter were completely duped by the former, ot he great annoyance of the Liverpool Company. The Railway Magasine of 12th February, 1842, remarks, "we have before us a plan of the two junction lines, namely, that by Hunt's Bank, and the Storestreet one, proposed by the Liverpool and Manchester Company. According to this plan the distance from the Liverpool and Manchester Railway to Hunt's Bank is 1840 yards; 2260 yards more to the Manchester and Leeds innotion; and 1500 yards of tunnel to the station Leeds junction; and 1500 yards of tunnel to the station in Store-street: in all 5600 yards. The other, or south line, is to Store-street 2,850 yards, with 1100 yards of tunnel to the Manchester and Leeds station, making a total of 3950 yards, or 1500 yards less of line and tunnel to construct by the south plan. The population around and at Hunt's Bank is stated to be 144.371, and around and at the Store-street station 178,033, or 33,662 in favour of the south line.

184.—From 1st August to 2nd November, 1843, the number of trains run on the Glasgow and Greenock Railway has been 1206. Of these only two have been more than twenty minutes late in their arrival, arising in both cases from unavoidable delay in the time of starting. For the same period, the steam boats of the of starting. For the same period, the steam boats of the Rallway Steam Packet Company piled between Greenock and Rothesay, Gareloch-head, &cc., in connection with 848 trains, and only in three cases have these boats, from storms or any other cause, failed to meet their appointed trains at Greenock. When it is considered that a distance of 21,000 miles on water, and 18,697 miles on land, included in the above working, in which two modes of conveyance are employed, both subject to those casualties to which artificial constructions, as steam engines, ships, and rallways must always be liable, as well as to other causes of delay, as storms and winds, the regularity is remarkable.—RALLWAY TRMS, December 30th, 1845.—It appears that, only one really seri-

185.—It appears that only one really serinot railway accident, of a public nature, by which any passenger suffered while travelling by the ordinary trains, and observing the ordinary degree of caution, has occurred during the year 1843, vis., that on the North Midland Railway, on the 12th of January, 1843, by which one passenger lost his life. During the preceding year four such accidents occurred, by which one passenger only was killed, and 10 received injuries. The number of passens travelling by railway during each year has not been gers travelling by railway during each year has not been less than 24,000,000, conveyed on the average about 15 miles each. This statement is sufficient to show the high degree of security which has been attained in railway traveiling, and to demonstrate in the most forcible manner the advantages that have resulted from the progress of scientific improvement in point of safety as well as of

186.—At a meeting of the West London Railway Company, 8th September, 1841, Mr. White said he had papers in his possession to prove that the Great Western Company had at one time proposed to the Kensington Canal Company, that if they would reduce their tonnage from 4d. to 3d. they (the Great Western Company) would guarantee them receipts amounting to at least £30,000 a year.

187.—In January, 1842, an offer was made to the Birmingham and Gloucester Company to send upwards of 40,000 tons of coal per annum from Birmingham to Cheltenham, 44 miles, for 4s. 9d. per ton, and another offer of 4s. 6d. per ton; or, to find men. engines, and wagons, and psy 2s. per ton, which would give the company an income of \$10 per train.—RAILWAY TIMES, 29th Jan., 1842.

188.—FRAUD BY A BOATMAN.—At the Rochdale petty sessions on Monday, John Owen, a boatman, was charged with giving a false account of the weight of some goods, which he took in a vessel, on Sunday week, from Manchester to Todmorden, on the Rochdale Canal. Mr. Hardman produced the note which he had given, stating that the vessel only contained four tons, but it had been found to contain eight tons, The canal company were often imposed upon in a similar manner. The bench said it was a clear case of fraud, and convicted the defendant in the penalty of #8 and costs. It was stated there could be no mitigation of the penalty in such cases.—MANCHESTER GUARDIAN, 2nd Oct., 1844.

189.—Iron brought down the Monmouthshire Canal Company's tram-roads and canal, from the 1st to the 9th July, 1842, both days included. By tram-road-Tredegar Iron Company, 384 tons, 18 cwt.; Rhymney Iron Company, 388 tons, 15 cwt.; Harford, Davies, and Co., 4x2 tons, 12 cwt.; Comeelyn and Blaina Company, 249 tons, 15 cwt.; Monmouth Iron and Coal Company, 181 tons, 18 cwt.; Coalbrook Vale Company, 100 tons. By canal, from sundry works, 2112 tons, 5 cwt.—Railway Magazine, 23rd July, 1842.

190.—GREENWICH AND CROYDON RAILways.—Result of the increase of toll charged by the Greenwich Company to the Croydon, for the first four weeks from 10th May, 1842, compared with the same weeks the previous year:—

the previous year:—
1841. Passengers over Greenwich line, 38,159.
Toll at 3d. each, £476 19s. 9d. at the rate of £4,600
per annum.

1842. Passengers over Greenwich line, 20,559.
Toll at 44d. each, £385 9s. 7d., at the rate of £3,755 per annum.

RAILWAY MAGAZINE, 18th June, 1842.

191.—At a recent inquest at Broadwell, John G. Ball, Esq., one of the Coroners for Gloucestershire, remarked, that "many more persons were annually killed by waggons and carts than by railway carriages."—RAILWAY TIMES, 5th Feb., 1842.

192.—The total tonnage of goods conveyed along the Manchester and Leeds Railway, during the six months ending the 31st December. 1841, was 99,000 tons, over an average distance of 30½ miles, or about 3,000,000 tons over one mile, and the receipts from goods traffic during the same period was 44,600 6s. 6d., exclusive of carriages and live stock, which amount to £2,477 7s. 6d. If this be compared with the parliamentary estimate of goods traffic made out in 1836, it will be found to exceed the then estimated tonnage about 6 per cent., affording confirmation of the accuracy of the calculations employed in making out the traffic case, and the cautious exclusion of exaggerated data.

193.—In Great Britain and Ireland, 2750 miles of Canals were constructed between the years 1760 and 1824, at an expense of nearly £31,000,000, or £11,272 ner mile.

194.—The aqueduct over the Dee on the Ellesmere and Chester Canal, at Pont-Cysylltee, is 125 feet above its bed, on 19 pairs of stone pillars, 52 feet asunder. The trough through which the vessels pass is 320 feet long, 20 feet wide, and 6 feet deep, and is entirely composed of cast iron plates. There is also a stone aqueduct over the river Ceiriog, 200 yards in length, supported on 10 arches, at an elevation of 65 feet.

195.—The Royal Canal in China, completed in 980, occupied 30,000 men 43 years to complete. Its length is 925 miles, besides many collateral branches. On the surface of this canal many thousand families live in vessels. The Emperor has 10,000 vessels constantly employed on it.

196.—With an interruption of 60 miles, goods may be conveyed by water from the frontiers of China to Petersburgh, a distance of 4472 miles, and from Petersburgh to Astracan, 1434 miles.

197.—On Dec. 4th, 1830, the 'Planet' Engine (Mr. Stephenson's) took the first load of merchandise which has passed along the railway from Liverpool to Marchester. The team consisted of 18 carriages, containing 135 bags and bales of American cotton, 200 barrels of flour, 63 sacks of oatmeal, and 34 sacks of malt, weighing altogether, 51 tons, 11 cwt., 1 qr. To this must be added the weight of waggons and oil-cloths, vis: 23 tons, 8 cwt., 3 quarters. Tender, water, and fuel, 4 tons, and 15 persons on the team, 1 ton, making a total weight of exactly xiontry tons, exclusive of the engine, about 6 tons. The journey was performed in 2 hours and 54 minutes, including three stoppages of five minutes each.

198. It requires an engine of 200 horse power to propel a steam vessel of 500 tons, and a 300 horse power for one of 1200 tons. The paddle shaft should be 2-5ths from the head.

199.—A Dublin steam packet, built of iron, weighs 180 tons, burthen 281 tons, with 63 inches water-

200.—In April 1796, an Oxford newspaper announced a new invention, "Which can so far increase the profits, and decrease the expenses attending the present canals, as will amount to some thousand pounds a year." Also, "A new kind of lock, so simple in its construction, that one man may pass a boat through either way in five minutes time, without any loss of water," Also, "Instead of the present drawbridges, others attended with less expense, and which will require very trifling repairs."

201.—In the month of February, 1796, four flats, laden with coals from Lancashire, arrived at the Tower Wharf of the Ellesmere Canal, near Chester, being the first vessels which have navigated that part of the canal with coals.

202.—On May 1st, 1796, the grand tunnel on the Leeds and Liverpool Canal, between Coine and Burnley, was opened. The heaviest sailing vessel was forty minutes passing through. The length of the tunnel is 1633 yards, the height 18 feet, and 17 feet wide. This work was planed by Mr. Whitworth, and executed by Mr. Fletcher with great resolution and ingenuity, among very many difficulties.

work was planed by Mr. Whitworth, and executed by Mr. Fletcher with great resolution and ingenuity, among very many difficulties.

203.—In 1797, the Grand Trunk Canal Company agreed to widen their canal, so as to admit the navigation of river boats, in that part of the line which extends from Fradley Heath to the tunnel at Harcastle.

204.—In 1797, the canal from Manchester

204.—In 1797, the canal from Manchester to Stockport was opened; as was also, some short time before, the canal from Manchester to Ashton, and another from Manchester to Bolton. So general is the spirit for cutting canals in this quarter, that all the principal towns will probably be visited by water in a few years.

205.—In 1797, the Chester and Ellesmere Canals were connected at Chester, and boats, for the accommodation of passengers, plyed regularly between Chester and Liverpool, and Chester and Beeston Brook. Goods of all sorts, for the purpose of commerce, were also forwarded by the same conveyance. The Chester Canal was also navigable to Nantwich, and a water communication was opened between Cheshire, Lancashire, and all parts of Staffordshire, Shropshire, &c. &c. &c.

parts of Staffordshire, Shropshire, &c. &c. &c. 206.—In 1799, goods were regularly conveyed upon canals from London to Bristol, South Wales, Worcester, Birmingham, Manchester, Liverpool, and Lancaster. The price for light goods from London to Bristol, was 38s. per ton; of heavy goods, 33s.; of light goods to Liverpool, 30s.; of heavy goods, 55s.; for low priced goods, heavy, and not damageable, is to Bristol, only 26s., to Birmingham, 38s., and to Manchester, 55s. per ton. 207.—In 1802 it was stated a canal was preferable to an iron religned as the certified was nucleoned.

207.—In 1802 it was stated a canal was preferable to an iron railroad, as the carriage was much cheaper; for instance, 60 tons of corn could not be carried from London to Portsmouth on an iron railroad for less than £125 10s., but by a canal for £49 5s.

- 208.—In 1800, the Oxford Canal shares of £100 stock, were worth £194 each, as far as a sale by auction can be received as a criterion.
- 209.—In 1800, the Peak Forest Canal, which affords a cheap and easy water communication between the Peak, the adjacent country, and the most populous parts of Lancashire, was opened on the 1st of May. The completion of this bold and difficult undertaking, through numerous hills and valleys, precipices and declivities, is an object of general admiration, and the advantages it promises to the public are of the first importance, and at £10 per cent. less than the first estimation.
- 210.—In 1800, four hundred and fifty shares were forfeited by the subscribers to the Kennet and Avon Canal, in consequence of defaults in the payments of the
- 211.—In 1800, in the month of July, Mr. Yates, master and proprietor of a canal barge at Coalbrook Dale, lately went all the way, which is upwards of 400 miles by water, from that navigation to Hambro' Wharf, near London Bridge, in 14 days. He touched at Worcester, Gloucester, and other towns, with part of his cargo. This was the first barge that ever made the entire passage.
- 212.—In 1802 it was stated that iron railways were of great advantage to the country in general, and are made at an expense of about \$200 per mile. The advantages they give for the conveyance of goods by carts and waggons, seem even to surpass, in some instances, those of boat carriage by canals.
- 213.—In 1802, the Duke of Bridgewater, highly to his credit, devoted much of his attention to commerce, by which he attained an immense fortune; and by means of a canal of his own, at least 40 miles in length, covered with vessels of various sizes, moving in different directions, facilitating interior communications, &c. &c., carried on an extended lucrative business.
- 214.—In 1802 it was stated, that since 1758, no less than 165 Acts of Parliament have received the royal assent for cutting, altering, amending, &c., canals, in Great Britain, at the expense of £13,008,199., the whole subscribed by private individuals; the length of the ground which they employ is 2,895¢ miles. In this aggregate of length and expense, 43 canals, being private property, are not included; and among these are those of the Duke of Bridgewater, Nir Nigel Bowyer Gresley, and the Earl of Thanet. Of these acts 90 are on account of collieries opened in their vicinity, and 47 on account of mines of iron, lead, and copper, which have been discovered, and for the convenience of the furnaces and forges working thereon. Eight of these furnaces, and twelve forges, in one county only, consume 24,284 tons of iron ore, and 12,324 tons of pit-coals are annually taken down the Severn from the Madeley and Brosely collieries to the towns and villages in the neighbourhood.

215.—In the Staffordshire district, in 1836, 5 or 6000 tons of iron were made weekly; 90,000 tons per annum were sent to Manchester. In North Wales, 560 tons of pig iron were manufactured per week.

- 216.—In 1836, the average weight of cotton, wool, and cotton goods, passing between Manchester and Ashton, was about 19,764 tons; Manchester and Mottram, 9672 tons; Manchester and Glossop, 10,294 tons; Manchester and Hyde, 18,044 tons; and general merchandise between Manchester and Ashton, 16,901 tons; Manchester and Stayleybridge, 9879 tons; Manchester and Mottram, 1612 tons; Manchester and Glossop, 1602 tons; Manchester and Barnsley, 6396 tons; coals and merchandise between Manchester and Hyde, 11,440 tons; and 60,000 tons of slate and stone by the Ashton canal, to sundry places.
- 217.—In 1837, about 52,000 tons of malt, flour, and grain, passed from Nottinghamshire and Lincolnshire to Manchester. The estimate of the Cheshire Junction Railway Company, for the Eastern Counties' traffic, in and out of Manchester, was 1700 tons per week.

- 218.—In the year 1824, the quantity of traffic between Sheffield and Manchester, was estimated by Mr. Swires, of Barnaley, for Telford's intended canal, at 14,052 tons; in the year 1831, the quantity was estimated at 20,000 tons, for Stevenson's railway; and in 1837, at 24,220 tons, by Mr. Skidmore, for the Sheffield and Manchester Railway.
- 219.—In 1842 there were nearly 20,000 miles of turnpike roads in Great Britain.
- 220.—In the year 1824, a calculation was made for Telford's canal to Sheffield, that there were 77,500 acres of cultivated, and 52,000 acres of uncultivated, land, on the line of the intended canal, which would require three tons of lime per acre every six years for the cultivated land, and for the uncultivated, five tons every ten years; making an average of half a ton per acre per annum, or 64,750 tons per annum.
- 221.—The gross quantity of silicated soap, made in all the towns of Great Britain, (except the Metropolis) during the year ended the 5th of January, 1845, was 1,851,403lbs.; the quantity of other hard soap, 115,706,738lbs.; and the quantity of soft soap, 11,406,715lb. In the city of London there were made 627,209lbs of silicated soap; 40,699,2297lbs. of other hard soap; and 791,470lbs. of soft soap; thus making a grand total for England of 2,478,612lbs. of silicated soap; 156,406,035lbs. of other hard soap; and soap; thus making a grand total for London there were made in Scotland during the same period, was 127,740lbs of silicated, 10,890,515lbs. of other hard, and 5,251,151lbs of soft soap. The total quantity of soap exported from this country in the year 1844.5, was, of hard soap, 17,006,169lbs.; of soft soap, 8,980lbs., of which a total amount of drawback of £111,641 was allowed. The allowances to manufacturers of woolens, amounted to £47,556, on 6,334,088lbs. of hard, and 7,398,506lbs. of soft soap; the allowance made to manufacturers of silk, to £13,544, on 1,451,373lbs. of hard, and 1,446,236lbs. of soft soap: and the allowance made to cotton manufacturers, to £20,255, upon 2,525,178lbs. of hard, and 954,437lbs. of soft soap. The total amount of these allowances was £61,128, upon 10,313,639lbs. of hard, and 9,399,238lbs. of soft soap. The total amount of these allowances was £61,128 upon 10,313,639lbs. of soft soap; the amount of drawback being £70,144. The quantity of soap imported into Great Britain during the same period consisted of 955 cwt. of hard soap, £35; and on the Naples soap. The amount of duty received was, on the hard soap, £88; on the soft soap, £35; and on the Naples soap.
- 222.—In 1841 the celebrated iron-works of Sir John Guest, Bart., and Co., situated within a short distance of Merthyr-Tydvil, Glamorganshire, called Dowlais, which extends over nearly 70 acres; the buildings constituting which are chiefly cottages, occupied by the numerous workmen engaged at this extraordinary establishment, at which so many of the edge-rails, with which both British and foreign rallways are laid, have been manufactured. Of the 40 acres occupied by the Dowlais Works, nearly seven are covered with the various buildings, forges, &c. The mineral property belonging to these works extends over and through nearly 2000 acres. There are eighteen blast furnaces, capable of making 1600 tons of iron per week, which are blown by seven powerful steamengines, two of which have 12 feet blowing cylinders and 9 feet stroke. The steam-power employed in the different operations is fally equal to 2000 horses, besides which there are twenty water balances for raising the coal and ore to the surface; there are also 300 horses, and seven locomotive engines, employed in carrying the iron, coal, and cinder, to their different destinations. The consumption of fuel, per 24 hours, is at present equal to 1100 tons, including that used for domestic purposes. It is only about ninety-nine years since the first bar of malleable iron was rolled at Dowlais, about 450 tons of rails and 450 tons of bars are finished weekly.
- 223.—SALT.—The exports in 1836, were chiefly to the United States, the West Indies, Russia, North American Colonies, and Belgium, and consisted altogether of 9,622,427 bushels, of the declared value of #173,922.

224.—In 1844, about 6000 tons of flour were sent from Chester to Manchester.

225.—The number of Bricks made in Great Britain in the year 1832 was 998,346,387; the duty on which amounted to $\pounds294,322$. The number of Tiles made was 74,117,953; the duty on which produced £37,010.

which amounted to £294,322. The number of Tiles made was 74,117,953; the duty on which produced £37,010.

226.—Metals imported into and exported from the United Kingdom in the year 1832.—Iron, Foreign, imported in bars or unwrought, 18,961 tons, 12 cwts. 2 qrs.; in rods, pigs, wire, old broken, and old cast iron, &c., 192 tons, 1 qr. 5 lbs.; iron ore, 377 tons, 17 cwts. 1 qr. 19 lbs.; chromate of iron, 339 tons, 17 cwts. 15 lbs.; unwrought steel, 622 tons, 4 cwts. 2 qrs. 9lbs.; steel wire, 50 lbs.; iron and steel manufactures, not otherwise described, entered by weight, 197 tons, 64 cwts.; entered at value £2772 18s. 3 qrs. 2 lbs.; in rods and pigs, 55 tons, 13 cwts. 15 lbs.; unwrought steel, 810 tons, 13 cwts. 3 qrs. 2 lbs.; in rods and pigs, 55 tons, 13 cwts. 15 lbs.; unwrought steel, 810 tons, 13 cwts. 8 lbs.; steel wire, 52 lbs.; inro and steel manufactures, not otherwise described, entered by weight, 197 tons, 64 cwts.; entered at value, £345.—Iron, British, exported: bar iron, 74,024 tons, 5 cwts. 1 qr. 24 lbs; boit and rod iron, 6,938 tons, 1 cwt. 3 qrs. 18 lbs.; pig iron, 17,566 cwts.; entered at value, £345.—Iron, British, exported: bar iron, 74,024 tons, 5 cwts. 1 qr. 24 lbs; pig iron, 17,566 ctons, 1 cwt. 1 qr. 13 lbs.; cast iron, 12,495 tens, 1 cwt. 1 qr. 13 lbs.; cast iron, 12,495 tens, 1 cwt. 1 qr. 13 lbs.; cast iron, 12,495 tens, 1 cwt. 1 qr. 12 lbs.; iron wire, 666 tons, 7 cwts. 3 lbs.; anchors and grapnels, 1,606 tons, 18 cwts. 3 qrs. 3 lbs.; hoops, 9,417 tons, 14 cwts. 1 qr. 61 lbs.; nails, 4,347 tons, 18 cwts. 1 qr. 2 lbs.; intered at value, £4,636 ss. 10d.—Exported: unwrought steele, 1,112 tons, 7 lbs.; British hardware and cutlery, 15,294 tons, 15 cwts. 1 lb.; the declared value of which was, £1,433,297 17s. 6d.—Copper, Foreign, imported: unwrought, partly wrought, or old for re-manufacture, 2,260 cwts. 2 qrs. 1 lb.; copper ore, 79,219 cwts. 1 qr. 21 lbs.; manufactured, entered by weight, 1 cwt. 1 qr. 16 lbs.; entered at value, £4,636 ss. 10d.—Exported: unwrought, partly wrought, or old for

227.—Coals, Culm, and Cinders, sent Coastways in 1837.—7,090,691 tons. From Newcastle, Constways in 1837.—7,939,931 tons. From Newcastle, 2,392,494 tons were sent to other parts of the United Kingdom; from Stockton, 1,145,837 tons; Sunderland, 932,135 tons; Swansea, 491,966 tons; Newport, 480,870 tons; Whitehaven, 409,493 tons.—The quantity exported was 1,113,610 tons, including 6,447 tons of cinders, and 1,143 of culm. The quantity exported to France in 1836 was 205,140 tons, and in 1837 amounted to 272,133 tons. Quantity of coal broaden coalseaves and by inland parts. Quantity of coal brought coastways and by inland naviga-tion to the Port of London, in 1836, 2,399,551 tons; in 1837, 2,629,321 tons.

1837, 2,629,321 tons.

228.—The Quartity of Iron manufactured in France in 1826 was 202,756 tons pig iron, and 143,336 tons of malleable iron; and in 1836 the quantity of the former was increased to 303,739 tons, and of the latter to 201,691 tons. Total in 1826, 346,092 tons; in 1836, 505,430 tons. The importation of iron has not diminished; and in 1836 the value of foreign iron imported was greater than in any former year, being 2525,702, on which a duty of ∠122,342 was charged. In 1817 the value of the iron imported was ∠202,205; in 1821, ∠226,571; in 1826, ∠218,212. These were years in which the quantity imported was largest.

- Earthenware. — Exported in 1836: 62,795,317 pieces; declared value, £887,774, of which 31,024,350 pieces of the value of £495,512 were for the United States of America.

230.—Glass.—Exported: 250,974 cwts. of the declared value of £536,601; besides a quantity entered at the declared value of £16,783.

231.—The dimensions of the Great Western

mo ner machinery are as lonows :		
•	Ft.	In.
Length of vessel between the perpendiculars	212	U
Length of vessel over all	236	0
Depth of hold	23	3
Extreme breadth of beam	35	4
Width measured outside the paddle-cases	58	4
Draught of water when loaded	16	ő
Burthen in tons-1.340 tons.		•
Diameter of paddle-wheels	28	0
Length of paddle-boards	10	ŏ
Height of centre of shafts	18	
Diameters of shafts-15 and 16 inches.		•
Width of bearings	. 1	8
Diameter of cylinders	6	ĭ
Length of stroke	. 7	ô
Diameter of air-pump		
Length of stroke of ditto.		
Length from centre of shaft to centre of cylinde		
Width from centre to centre of engines	10	
Four boilers of equal dimensions	٠ ١٢	6
Four boilers of equal dimensions with separate furnaces and flues \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	٠,٧	6
' Leight	. 10	9
Weight of engines—about 200 tons.		
Power of engines 450 horses.		
Weight of boilers—100 tons.		
Water in boilers - 80 tons.		
000 50 60 .		•

232.—The following Statements are taken from the Report made to the Board of Trade on the frequency of accidents and loss of life in steam vessels. They nust be considered as only an approximation to the real number of accidents. With two or three exceptions, the whole of these accidents occurred within the last et years, to which period the inquiry was confined. (1839.) ABSTRACT OF NINETY-TWO ACCIDENT

Ascertained Number

sels. of Live	
40. Wrecked, foundered, or in imminent peril. 23. Explosions of boilers	77 2
12. Collisions	66
92	453
Computed number of persons lost on board the ERIN, FROLIC, and SUPERS From waterman's and coroners' lists in the Thames, exclusive of the above, during the	120
last three years From a list obtained in Scotland, exclusive of the above, being accidents in the Clyde	
during the last ten years	21
	634

The greatest ascertained number of lives lost at any one time occurred by the wreck of the ROTHSAY CASTLE, when 119 persons perished. The greatest number at any one time from explosion ... The greatest number at any one time

annually raised in France have been more than trebled within the last twenty years. In 1836 there were raised 2,544,835 tons, of the value of £1,064,282; the quantity raised in 1816 having been 795,012 tons, value £325,533. The productiveness of the mines has not kept pace with The productiveness of the mines has now keep page and the increasing demand for coal; and the quantity imported has been nearly doubled within the last ten years, having been 495,325 tons in 1826, and 949,373 tons in 1836. 234.—In 1837, the Quantity of Ore produced from the Mines in Cornwell was 140,753 tons; copper, 10,823 tons. Value of the Ore, £908,613.
235.—At Stockport is an immense viaduct,

235.—At Stockport is an immense viaduct, which crosses the Mersey at an elevation of 111 feet, measured to the top of the parapet. The rails are, at this part, about 120 feet above the foundations of the viaduct, which consists of 26 arches, of which 22 are of 63 feet span. The extreme length of the structure is 1,792 feet, its mean elevation 90 feet, and its width 32 feet; and upwards of 11,000,000 of bricks, together with nearly 400,000 cubic feet of stone, have been used in its construction. The cost of this work was about £72,700.

236.—Quantity of Coal brought into the Port of London in 1841: Coastways, 2,909,144 tons; by inland navigation, 33,594 tons. Total, 2,942,738 tons.

237.—Coal, Culm, and Cinders exported in 1841: Coal, 1,831,554 tons; cinders, 16,514; culm, 226. Total, 1,848,294 tons; declared value, 2675,287. The total quantity of coal shipped coastwise to the various ports of the United Kingdom was 7,649,699 tons. Of 1,843,294 tons of coal, culm, and cinders exported in 1841, France took 451,003 tons; Germany, 173,347; Holland, 173,378; Dommark, 151,146; Russia, 77,152; British West Indies, 71,311; East Indies and China, 63,920; British North America, 56,177; United States, 52,273; Malta, 50,131 tons; and to other parts the quantity exported was less than 50,000 tons to each. The quantity exported was less than 50,000 tons to each. The quantity exported was in foreign countries in British shipping was 1,039,142 tons; in foreign shipping, 464,424 tons; total, 1,503,566 tons 67 344,729 tons exported to British Pussessions, the whole, with the exception of 6,190 tons, was exported in British ships. From 1832 to 1837 inclusive, the average annual quantity of coal exported was 69e,215 tons; and from 1838 to 1841 inclusive, 1,466,268 tons annually.

238.—Number of days occupied in performing voyages from the undermentioned Ports to Liverpool, by all Vessels laden with Flour or Corn, in 1841:—

	Total Number						
From	New York	30			 . 2:	3 d	ays.
	Boston	1		. .	 16	;	
	Philadelphia	11			 30)	
	New Orleans	20			 . 4:	6	
	Baltimore	4			 32	3	
	Petersburgh				 . 82	3	
	Alexandria	ī	•••		 . 42	2	
•••		_					• •

Total.... 68 Ships.

239.—The following remarks are extracted from a letter in the Railway Times, of 22nd January, 1842, to show the advantage of steam over horse-power; "The Edinburgh" being worked by horses, and "The Birkenhead" by steam.—By referring to the published statements of the affairs of the Edinburgh and Dalkeith Railway during the years 1838-39, I find that the average number of passengers was 274,045 per annum, conveyed a distance of 8½ miles, at a cost of £2,233. By a simple rule of proportion it appears, that if these passengers had been carried 16 miles instead of \$2, the cost would have been £15,967. Now, I find by the last Birkenhead report, that by adding £2,500 for maintenance of way, not included in the expenditure of the first year, and by deducting interest on loans, the cost of carrying 309,000 passengers the 16 miles amounts to £15,74, being a less cost (in proportion to the length travelled) for the carriage of a greater number of passengers, at nearly four times the speed.

240.—CHEESE.—The gross total quantity of cheese imported into the several ports of the United Kingdom during the year ending the 5th of January, 1848, amounted altogether to 213,850 cwt., of which 160,654 cwt. were imported from Europe, 55,115 cwt. from the United States of America, and 81 cwt. from the British Colonial possessions. The different qualities of the cheeses imported are not given. The aggregate quantities of European cheese, exclusive of British cheese, exported from England during the years above-mentioned, amounted in 1840 to 8,620 cwt.; in 1841, to 9,116 cwt.; in 1842, to 5,931 cwt.; in 1843, to 7,100 cwt.; and in 1844, to 3,920 cwt.

241.—IRON AND COAL.—The Harrisburg Keystone states, that the iron mines and manufactories of Pennsylvania already yield more than 18,000,000 dollars per annum, and the coal about 9,000,000 dollars per annum. The coal mines of England, according to the same authority, yield 34,000,000 of tons annually, while there never yet has been mined in Pennsylvania more than about 1,000,000 a year.—RAILWAY MAGARINE, 18th Dec., 1841.

242.—The following statistics were given at the half-yearly meeting of the Grand Junction Railway Company, held 1st August, 1842:—"Upwards of 7,000 troops had been conveyed on the line during the half year, and principally within the space of one week. The authorities at the Horse Gaards and the inspecting field officer have expressed their thanks for the manner in which this service was conducted.—The number of applications for missing luggage for the year ending 30th June, 1841, including articles of every description supposed to have been left on the Grand Junction line, was 100; the number recovered by the office was 79; and there is reason to believe that a great part of the remainder never came near us. In the last year the number said to have been left was 101; the number recovered 73.—The number of complaints by passengers and other parties against the establishment, for the year ending June, 1841, was 144, in which no blame could be attached to the company or its servants, except in 44 instances. In the year ending June, 1842, the complaints had fallen to 101, in which the Company was to blame 27 times; this included all complaints arising from detentions and late trains.—The amount of coaching, goods, live stock, and general account, including all settled claims, was, for the year ending June, 1841, £987 8s. 10d.; ditto ditto for the year ending June, 1842, £918 8s. 8d. with a much larger traffic.—That, with regard to the punctuality of the railway, it appeared that in twelve months ending June, 1841, out of 4172 trains of different classes, 8358 were to time, or within fifteen minutes, leaving 536, or 122 per cent. out of time: that in the year ending June, 1847, out of 4,172 trains, 3912 were to time, or within fifteen minutes, leaving 250, or 64 per cent. out of time, being only half the amount of regularity of the preceding year. That it must be remembered that the irregularities caused by connecting lines of railway, and the inevitable detention occasioned by deep snow, were included in these sta

243.—In 1836 the following Traffic was proved to pass between York, Leeds, Hull, Manchester, &c. From York to Pontefract and Doncaster, 572 tons, at the average charge of from £2 to £2 18s, 4d.; the time occupied by the journey being from six to nine hours. From York to Hull and Selby, 1300 tons, at the average charge of 18s. 4d. to 16s. 8d. from York to Selby, and from £1 to £1 18s. 4d. from York to Hull; the time of the journey to Selby being five hours, and to Hull sixteen hours. From Leeds and Wakefield and the respective neighbourhoods about 98,000 tons of coal, and 4,000 tons of stone annually, at the average charge of 3s. to 6s. per ton; from Brotherton and Knottingley to York, 10,000 tons of lime annually, at the average charge of 3s. 9d. per ton; from York to Leeds and Wakefield, 30,000 tons of flour, grain, shelling, &c., at the average cost of 7s. per per ton. The time occupied in the journey is from four to ten days, a fortnight, and three weeks. From Manchester to Hull, 43,100 tons of cotton twist manufactured, and woollen goods, the time of the journey being from six days to two or three weeks. Between York and Leeds, York and Selby, and Hull, York and London, 8,000 tons per annum of general inerchandise. 110,600 sheep and \$3,000 cattle are driven from York to Leeds annually, the former at the cost of 24d. to 6d. per head, and the latter from 1s. 6d. to 3s. per head; the time occupied in the journey being from one to three days. The agricultural produce sent by carts from York to Leeds annually is 3950 tons. The goods sent by wagon from York to Leeds averages 3675 tons per year, at the average charge of from 18s. 4d. to £2 per ton; the time of the journey being tweely ehours.

244.—In 1845 it was estimated that upwards of \$100,000,000 was invested in canals.

245.—A correspondent in the RAILWAY MAABINE, 19th March, 1842, says,—that the cost of conveying goods on the London and Birmingham line is 1-154d, per ton per mile, the net load per engine is 40-65 tons, the gross load is 884 tons, the number of wagons is it, and the speed is 20 miles an hour. On the Birmingham and Gloucester line the net load per engine is about 25 tons, the gross load 45 tons, the speed 16 miles an hour. The cost of locomotive power, &c., is 1s. 7d. per mile run, including the Lickey. This sum divided by 25 gives 3d. per ton per mile. For the other charges I must proceed to inferences. Excluding from the London and Birmingham charges what is not common to the two lines, the cost, exclusive of locomotive power, is 3d. per ton per mile. But this is on a larger traffic, where the engines are drawing in the ratio of 8 to 5. We cannot therefore be see high in taking the charges on the Birmingham and Gloucester line, exclusive of locomotive power, at 2d. per ton per mile. Hence the whole charges are not less than 14d. per ton per mile, as stated by the chairman at the meeting. Now let us look back. When the engines were costing 2s. 9d. per mile run, the loads remaining the same, the cost would have been 2d. per ton per mile. When they were costing is. 113d., the whole cost would have been 13d, per ton per mile. Again, let us look forward. The engines are capable of drawing throughout the year under the actual circumstances of the line, and on an average, about 60 tons gross at 16 miles an hour. They may then have locomotive power at less than a halfpenny per ton per mile, if out of a gross load of 60 tons they can get a net load of 35 tons, and therefore may bring the total charges to 13d. per ton per mile.

246.—CURED PROVISIONS.—The quantities of cured provisions imported into the United Kingdom were as follows—Of saited beef, 60,633 cwt. in 1843, and 106,766 cwt. in 1844; of saited pork, 27,118 cwt. in 1843, and 30,780 cwt. in 1844; of saited pork, 27,118 cwt. in 1843, and 30,780 cwt. in 1844; of hams of all kinds, 6,919 cwt. in 1843, against 36 cwt. in 1844; and of bacon, 448 cwt. in 1843, against 36 cwt. in 1844, 2107 cwt. came from Russia, 1,256 cwt. from Denmark, 930 cwt. from Prussia, 5,042 cwt. from the Hanseatic towns, 76,660 cwt. from the United States of North America, 10,596 cwt. from the British Colonies in North America. Of the 30,780 cwt. of sait pork concurrently imported, 24,832 cwt. came from the United States, 2,236 cwt. from the British North American Colonies, and 2,709 cwt. from the Hanse towns. Of the 6,732 cwt. of hams imported in 1844, 2,616 cwt. came from the Hanseatic towns, and 2,704 from the United States. The quantities retained for home consumption bore a very small proportion to the quantities imported, viz., 5,204 cwt. of salt beef in 1844 against 3,019 cwt. in 1843; 1,311 cwt. of salted pork in 1844 against 5,308 cwt. in 1843; 1,311 cwt. of salted pork in 1844 against 5,308 cwt. in 1843; 1,311 cwt. of salted pork in 1844 against 5,308 cwt. in 1843; 1,311 cwt. of salted pork in 1844 against 5,308 cwt. in 1843; 1,310 and 36 cwt. of ham against 3,935 cwt. in 1843; 1,303 cwt. of bacon in 1844 against 5,303 cwt. in 1843; 1,303 cwt. of bacon in 1844 against 5,303 cwt. in 1843; 1,303 and 223, respectively, in the years 1843 and 1844. The quantities re-exported as merchandise in 1843 and 1844. The quantities re-exported as merchandise in 1843 and 1844. The quantities re-exported as merchandise in 1843 and 1844. The quantities re-exported as merchandise in 1843 and 1844. The quantities re-exported as merchandise in 1843 and 1844. The quantities re-exported as merchandise in 1843 and 1844. The quantities re-exported as merchandise in 1843 and 1844 cwt. of bacon, 51 cwt. in 1843 and 1844; of

247.—THE IRON TRADE—South Wales.—
Of the one hundred and thirteen furnaces in blast in this
district, sixty-one are in full make, and fifty-one at the
reduction of twenty-five per cent. The average weekly
make is not given, but may be taken at eighty-five tons,
thus giving an aggregate make of 6000 tons weekly, or
468,000 tons per annum.—BALLWAY MAGAZINE, April
16th, 1842.

248.—Glass.—The following were the quantities of glass charged, and the amount of duty respectively imposed on the different descriptions of glass in England, during the year 1844-49, viz, —Flint glass, 9,529,294 lbs., and #55,271; plate glass, 29,765 cwt., and #33,759; crown glass, 99,180 cwt., and #382,710; German sheet glass, 31,560 cwt., and #121,782; common bottle glass, 345,810 cwt., and #212,782; common bottle glass, 31,560 cwt., and #212,782; common bottle glass, 11,277 cwt.; of plate glass, 116,955 feet; of crown glass in tables, 1,527 cwt.; of crown glass in panes, 6,661 cwt., of German sheet glass, 7,656 cwt.; and of common bottle glass, 123,056 cwt. It further appears, that the quantities of glass retained for home consumption in the United Kingdom for the year 1844-45 were,—of flint glass, 83,712 cwt.; of plate glass, 24,405 cwt.; of crown glass, 39,347 cwt.; of German sheet glass, 23,175 cwt.; and of common bottle glass, 193,108 cwt. The net amount of duty received thereon amounted to the sum of #2645,715. The amount of drawback or allowance on glass for the use of churches during the year 1844-45 was #1,343. The quantities imported into the United Kingdom during the same period, from various countries of Europe, &c., were—of crown or any window glass not exceeding one-ninth of an inch in thickness—all silvered or polished glass, of whatever thickness—and plate glass however small each pane, plate, or sheet, 18,915 square feet (superficial measure); and of flint and cut glass, 2,883 cwt. The quantities exported from the United Kingdom of the same description of glass as those which we have already enumerated above, were respectively, 6,421 cwt.; 906 cwt.; (6,971 square feet; and 1,448 cwt., 196,500 cwt.; of crown, in panes, 6,661 cwt.; of German sheet glass, 17,695 cwt.; and of common bottle glass, 213,055 cwt.; and of common bottle glass, 213,055 cwt.; and of common bottle glass, 213,055 cwt.; of crown, in panes, 6,661 cwt.; of German sheet glass, 17,695 cwt.; and of common bottle glass, 213,055

249.—TUNNELLING.—Mr. Brunel lately stated that the Box tunnel of the Great Western cost £100 per yard. The White Ball tunnel, on the Exeter, cost but £53. The Cheltenham tunnel, in connexion with the Great Western, was estimated at £136 per yard: it cost but £34 per yard. And to show the reduction in this department alone, he mentioned that, within the previous three weeks, he had contracted for tunnelling at £28 per yard.—RAILWAY CHEONICLE, November 23rd, 1844.

250.—STEAM NAVIGATION ON THE THAMES.—There are now sixteen steam vessels running daily between Gravesend and London, the same number to Woolwich, twenty to Greenwich, numerous small steamers, the boats of the Waterman's Company, and of the Old Woolwich Company—between Greenwich and Blackwall; there are eight steam vessels constantly going pand down the river on their way to and from Dover, Ramsgate, Margate, Herne Bay, Southend, and Sheerness. The General Steam Navigation Company muster forty-nine steamers, all sailing from London, a facet superior to the steam fleet of any of the continental powers, and which carry merchandise and property to the amount of £1,000,000 sterling weekly, and whose consumption of coals exceeds in value £50,000 per annum. There are not less than fifty other large steam vessels trading between London and various ports in Great Britain and Ireland; twenty-three steam tugs, carrying from 30 to 100-horse power each, exclusively engaged in towing ships, between Gravesend and the Pool; twenty iron and wooden steamers navigating the river above bridge, between London Bridge and Chelsea; two constantly running between the Adelphi pier and Putney, and five to Richmond. Among the novelties lately introduced in steam navigation is a vessel with locomotive engines, similar to those on a railway, working at a high pressure, and the Waterman, No. 7, with Stevens's patent paddles, which enter the water at an angle of 35, produce very little swell, avoid the back water thrown up by the ordinary paddles, and produce little vibration. With two or three exceptions, the steam engines in our river vessels are worked at a low pressure.—Rallway Magazine, 28th May, 1842.

251.—LARGE IRON SHAFT.—A shaft of wrought iron, weighing about 16 tons, was shipped from Liverpool, for the Great Western Steam-ship Company at Bristol, being, we understand, the largest piece of wrought iron ever manufactured in this or any other country. It was manufactured at the Mersey Steel and Iron Works in Liverpool.—RAILWAY MAGAZINE, 23rd April, 1843.

252.—In July, 1843, Scotch Pig Iron was sold at Glasgow at less than 40s. per ton. Welch and Staffordshire pig iron was also sold at proportionate rates, according to quality, some of the inferior makes at 40s. per ton, long weight. Scotch pig iron has now, by the spirit of speculation, reached 100s. per ton, and is sold in large parcels at this price for delivery in all the year. Here, then, we have an advance, five-eighths of which has taken place in the last month, of 150 per cent. On examination of the progress of this advance, we find that it has been mainly effected by dealers and speculators; that large parcels of iron, not yet raised from the bowels of the earth, have changed hands in many instances (the same ideal lot) twenty times at the least, and that which has been so frequently transferred paid for, relying upon the iron-master's future power to convey it to the unentable possessor of the "scrip" at the latest highest price of the day.—Liverpool Courier, March 19th, 1845.

253.—The total quantity of copper ore, imported in the year 1841, was 173,701 cwt. The total quantity of British copper exported from the United Kingdom during the same period was 118,531 cwt., and the quantity of copper smelted in the United Kingdom from foreign ore (unwrought in bricks, pigs, &c.), was 201,743 cwt. The total quantity of British copper exported from the port of London, in the year 1841, was 54,368 cwt.

254.—The total quantity of British tin exported from the United Kingdom, in the year 1841, was 23,340 cwt., and of foreign tin 25,344 cwt. The total quantity of tin imported into the United Kingdom, during the same period, was 28,434 cwt.

255.—The total quantity of lead and lead ore imported into the United Kingdom, in the year 1841, was 4,550 tons. The total quantity of British lead and lead ore exported from the United Kingdom, during the same period, was 14,979 tons.

256.—The quantity of British hardwares and cutlery exported from the United Kingdom, in the year 1841, was 17,667 tons, the declared value of which was £1,623,961.—HALIWAY MAGAZINE, May 21st, 1842.

257.—RAW IRON.—The Prussian State Gazette gives the following statistical table of the quantity for raw iron annually produced in Europe:—Great Britain, 29,632,000 quintals; France, 6,763,900; Russia, including the Ural provinces, 3,820,000; Belgium, 2,917,350; that part of Germany comprehended in the Customs' Union, 2,559,762; that part not included in the Union, 143,500; Austrian Monarchy, 1,829,000; Sweden, 1,455,245; Sardinia, 245,000; Tuscany, 120,000; Parma, 28,000; Modena and Naples, 15,000; Spain, 252,000; Poland, 184,000; Norway, 107,420; Luxembourgh, 60,000; Switzerland, 14,000; Portugal, 8,400. The bar iron taken immediately from the mines may be estimated at 236,565 quintals.—RAILWAY MAOAZINE, April 16th, 1842.

258.—The Tidal Dock, Southampton, into which water was admitted on Saturday, June 18th, contains 16 acres of water; the depth, at low water, spring tides, 18 feet; rise of tide from 13 to 15 feet; the whole lined with masonry, at the base 12 feet thick; counterforts, or buttresses, 18 feet, narrowing in due proportion, as the elevation advances; linear feet of wharf from 3,300 to 3,500 feet.—RALIWAY MAGAZINE, 18th June, 1842.

259.—GREAT PATENT CASE.—The case

259.—GREAT PATENT CASE.—The case Neilson & others, v. the Househill Coal and Iron Company which had occupied the Jury Court six days, terminated on Thursday evening. The jury after deliberating an hour and a quarter, returned a verdict for the pursuers on all the issues—Damages, £3,060.—RAILWAY MAGAZINE, April 16th. 1842.

260.—THE STATE OF THE CANAL INTEREST.—On Tuesday Lord Campbell presented a petition from the Birmingham Canal Navigation Company, who might be considered as representing the canal interest in opposition to railways. The petitioners said they were no enemies to railways, and were perfectly willing to enter into a fair competition with them; but they asked for a provision against the most unfair attempts that railways were making against them. They allowed that, as far as passengers were concerned, they were beaten by the railways, but in the carriage of goods, with fair play, they could beat the railways. The railways, however, had entered into a scheme for carrying goods, for the present only, at such a low rate of charge as utterly to ruin the canals, and then, when the canals were utterly ruined, they would have in their own hands the carriage of goods as well as passengers, and so would have a complete mes nopoly, to the serious injury of the public. They them stated this fact—that the carriage of a ton of passengers was not more expensive than a ton of luggage by the railways; but that, to ruin the canals, they charged in the third class ten times as much, and in the first class thry times as nuch, for passengers, and too luttle for goods, and if they carried nothing but goods, would be utterly ruined; but from the charge on passengers they were able to carry goods at such a rate as to be ruinous to canals. The petitioners therefore asked for some remedy for that state of things; that in any bill that was passed on the subject, there might be a provision against such an abuse; and that some ratio might be required to be preserved between the charge for passengers and that for goods,—Midland Counties Herald, 18th March, 1845.

261.—Toll for Coals in 1842.—At a meeting of the North Midland Railway Company at Leeds, 26th February, 1842, Mr. Alsron, of Liverpool, said—"On the 23rd of October last, the quantity of minerals conveyed was 949 tons, including everything. On the 30th of October, the number of tons was 2,159, no very great increase in proportion to the reduction of charge; on the 29th of January, 2,295 tons were conveyed; and in the week ending the 5th of February, 2,477 tons;—and Mr. Brancker, of Liverpool, said—"With respect to the coal traffic, he had the authority of Mr. Booth, secretary of the Liverpool and Manchester line, a gentleman of great practical experience, to the effect that unless it paid 2d, per ton per mile, it was not worth having, and even at that it was very questionable. He (Mr. Brancker) had asked him what he thought of the charge of 1d. per ton on the North Midland line, and he replied—"Take the wear and tear into consideration, and you have nothing left; in fact, you do not get your own money back again." (Hear, hear.) There was not a single line about which the auditors had inquired that conveyed coal for less than from 13cl to 13d., and to 2d. per ton. Mr. Booth had further said, that he had had several applications made to him by coalowners, for a reduction in the charge, and the uniform answer he returned was, that if they did not think proper to pay 2d., they were quite at liberty to go off the line, and get their coals conveyed by some other means. On the Leicester and Swannington road, at the commencement of their traffic, the Company charged 2d. per ton, on a line costing £8,000 per mile, including engines and all working materials. For the first ten years their dividend fell to 6 per cent. (Hear, hear.) Now 6 per cent. was only a net profit of £6,900 for converging \$3,000 tons of coal and minerals.—Mr. Mran, Mr. Mran, Mr. Mran, Mr. Mran, Mr. Mran, of York, remarked with reference to the conveyance of minerals, oth the paid up capital, and they only charged from 1d. to \$d. per ton per mile.

262.—EXTRAORDINARY MASS OF SILVER ORE.—A stone weighing 234 lbs., value £350, and yielding 45 to 50 per cent. silver, has been lately imported from Chili, and is now in the possession of Messers. Johnson and Cock, of Hatton Garden.—RAILWAY MAGASTIN, April 16th, 1842.

263.—TALLOW, &c.—The gross total qualities of tallow returned for home consumption in the United Kingdom, amounted in 1835 to 1,005.276 cwts.; in 1836, to 1,814,063 cwts.; in 1837, to 1,289,514 cwts.; in 1836, to 1,160,167 cwts.; in 1837, to 1,289,514 cwts.; in 1849, to 1,181,513 cwts.; in 1843, to 1,124,1278 cwts.; in 1842, to 1,030,960 cwts.; in 1843, to 1,174,945 cwts.; and in 1844, to 1,081,206 cwts. Almost all this tallow was imported from other than British possessions in Asis, Africa, or America, it appearing that our colonies provide us with an exceedingly small quantity of tallow, in comparison with foreign countries. The rate of duty on the foreign allow is now 3s. 3 9-10d. per cwt., and on British colonial tallow, 1s. 0 2-5d. per cwt. The average prices of foreign allow, so far as they have been ascertained, were, in October, 1844, £1 17s.; and in 1840, £2 6s. per cwt., exclusive of duty, whilst the colonial tallow bore a price at the former period of £2 per cwt. against £2 4s. in 1840. The total quantity of blubber, and train and spermaceti oils entered for home consumption, amounted respectively, in each of the above years, 1836 to 1844, to 16,114, 18,722, 20,878, 26,806, 21,438, 19,855, 21,950, 16,395, 22,994, and 20,659 tuns, nearly the entire quantity having been the produce of British fishing. The quantities of British colonial cocon-unt oil entered since the 9th July, 1842, amounted in 1842 to 17,442 cwts., in 1843, to 27,544 cwts.; and in 1844, to 38,035 cwts. The average prices in October last were, of blubber and train oil of British fishing, £38 per tun; of cocon-unt oil, £1 8s. 4d. per cwt.; and of palm oil, £1 5s. 8d. per cwt.; and of palm oil, £1 5s. 8d. per cwt.; and of palm oil, £1 5s. 8d. per cwt.; and of palm oil, £1 5s. 8d. per cwt.; and of palm oil, £1 5s. 8d. per cwt.; and of palm oil, £1 5s. 8d. per cwt.; and of palm oil,

264.—Several of the brokers connected with the provincial share-markets have issued their annual circulars, and these disclose some useful statistics, showing the progress of the majority of lines in full operation. The circular published by Mr. Greaves, of Liverpool, states that the total increase in the traffic of 22 railways for the six months just ended, compared with the corresponding period of last year, has not been less than £321,402, the only decrease being that of £169 on the Glasgow and Greenock line. The particulars of increase rea as follows:—Birmingham and Gloucester, £19,991; Chester and Birkenhead, £2,451.—Edinburgh and Glasgow, £2,752; Glasgow, Paisley, and Ayr, £6,631; Grand Junction, £14,844; Great North of England, £10,752; Great Western, £6,589; Liverpool and Manchester, £19,725; London and Birmingham, £18,413; London and Brighton, £15,912; London and Croydon, £5,126; London and Suth-Western, £6,699; Manchester and Birmingham, £10,887; Manchester, Bolton, and Bury, £4,083; Manchester and Leeds, £36,099; Malland Company, £3,877; Newcastle and Carlivle, £8,236; North Union, £16,499; Preston and Wyre, £2,984; Sheffield and Manchester, £5,044; Uister, £1,283; and York and North Midland, £10,523. Mr. Hall, of Liverpool, in his circular, takes a comparison of 30 of the oldest and most important railways, and his statement gives an increase of value of stock during the last year of £36,595,479 over the amount of capital laid out, the former being £55,564,681, and the latter £56,558,602. It appears also from the same document, that the only railways which have fallen in price are the London and Birmingham, and the Glasgow, Paisley, Kilmarnock, and Ayr; Great North of England; Newcastle and Darlington; Sheffield and Manchester; and York and North Midland, have risen above 50 per cent. in their value during the same period. The highest prices of Birmingham shares were hose current in the month of January, when quotations ranged from 237 to 243; and the lowest those current in the month of October las

265.—The Grand Junction Canal Company paid nearly #1000 for ice breaking, in January and February, 1841.

266.—THE PRICES OF RAILWAY SHARES. From the share table recently issued by Mr. Watson, of Glasgow, some curious particulars of fluctuations in the price of shares may be gathered. Thus, on the 8th of January, 1838, the shares of the Great Western Railway were at 12 premium; at the corresponding period of 1839 they were at 13 premium; in 1840 they had sunk to 1 premium; in 1841 they again rose to 81 premium; in 1841 they were 22½; 1843, 26½; 1844, 82; and this year, on the same day, they had advanced to 87 premium. They are now much higher. The Liverpool and Manchester have shown the following fluctuations as to premium:—1838, 91; 1844, 130; and 1845, 117. London and Birmingham fluctuated from the lowest point of 61 premium (in 1840) to the highest (in 1844) of 137. The most remarkable case is the York and North Midland, the shares of which in 1838 were at 22 discount, and rose by almost regular steps to 56 premium (on a £69 share) in 1845. The South Western have in the same period risen from 12 discount to about 47 premium on £39 shares. The Great North of England were in 1838 marked "no price;" in 1840 they were at 25 discount; in 1843 at 41 discount; whereas in 1845 they were at 47 premium on £100 paid. The Manchester and Leeds shares, on the 8th of January of the same seven years, have stood thus:—1 premium; 20½ premium; 10 premium; 12 premium; 12 premium; 12 premium; 13 premium; 15 premium; 12 premium; 14 premium; 15 premium; 15 premium; 16 premium; 17 premium; 18 premium; 18 premium; 18 premium; 19 premium; 19 premium; 10 p

267.—RAILWAY PROPERTY.—It now appears that the traffic of the last six months of 1844, on the 38 principal railways in Great Britain, amounts to three millions and a quarter or more—exactly £8,264,460. This traffic has been carried on upon 1522 miles of railway, and 234 miles of branch lines, making in all 1756 miles. This revenue is £450,000 more than the corresponding half of last year. It is chiefly owing to the improvement in the trade of the country, and only slightly to the increase in the extent of lines opened to the public. It represents an improvement of nearly 10 millions in the value of the railways of Great Britain since the commencement of 1844. This revenue amounts to about £4,000 per mile per annum, of which let us take £1,600 for working expenses, and we have £2,400 per mile per annum for dividend, indicating a market value of £48,000 per mile, at 20 years' purchase. The total sum available this half-year for interest and dividends will be about £2,000,000, giving, for the value of all the important lines of the country, at 20 years' purchase, a sum of £80,000,000. But, as many of the lines are worth more than 20 years' purchase, as a sum of £60,000,000. But, as many of the lines are worth more than 20 years' purchase, and as many small lines are not included in this estimate, while some are in course of construction and not open for traffic, it may be near the truth to say that at the commencement of 1845 we start with a national property in railways worth not less than £100,000,000.—RAILWAY CHRONICLE.—

268.—In a petition from the proprietors of the Staffordshire and Worcestershire Canal Navigation, presented to the House of Commons on the 28th February, 1845, it is stated, relative to railways, that it can be proved that heavy goods and minerals are carried for 1d. to 2d. per ton per mile, while 3rd class passengers are charged ls. per ton per mile, 2nd class passengers 2s. per ton per mile, and 1st class passengers 3s. per ton per mile, supposing that twelve passengers are charged 1c times, 2nd class 24 times, and 1st class 36 times as much per ton as goods.

269.—The years of high prices in the iron trade were 1817, 1818, 1826, and 1838, in which the prices of the prices

270.—Merchandise passing between London and Birmingham, in 1832, was about 27,800 tons up, at 50s. per ton; and 14,560 tons down, at 42s. \$d. per ton.

M

271.—In 1843, the Grand Junction Railway Company paid to the Liverpool and Manchester Company 38. 6d. per ton for terminal expenses at Liverpool, and for running free 16 miles, on their line, to Newton junction. The same Company paid 10s. per ton to Messrs. Chaplin and Horne, for terminal expenses in London.

272.—In 1835, about the following weight of merchandise passed yearly between the undermentioned places:—

273.—RHENISH STEAM BOATS.—The Moniture des Chemins de Fer gives the following account of Rhenish steam navigation in 1840. The navigation between Basil and Strasburgh only commenced in June last year, and between that time and October, 1840, about 10,000 persons were conveyed. Fifteen steam boats of the Cologne Company, carried, between Cologne and Strasburgh, 460,946 passengers, 2196 carriages, 440 horses, and 848 dogs, and 14,300 tons of goods; being an increase on 1839, of 197,043 passengers, or 40 per cent. and 2800 tons. The six boats of the Dusseldorf Company, between Dusseldorf and Ments, carried 152,347 passengers, 567 carriages, 331 horses, 250 dogs, and 10,000 tons of goods; being an increase, on 1839, of 37,381 passengers, or 36 per cent. and 1,200 tons. The Netherlands Company carried about 20,000 tons of goods; the number of passengers is unknown. The quantity of traffic, by lighters, is in no ways diminished, but has rather increased, although the rate of freight has been reduced.—Railway Magazine, July 16th, 1842.

274.—Steam Boats on Canals.—The steam boat experiment mentioned in last year's report, did not succeed to such an extent as to warrant your Committee in pursuing farther the object of the Patentees, who, however, are still sanguine of its success; and your Committee are enabled to state that several Canal Companies are now uniting to offer a considerable premium for the successful accomplishment of a steam boat for canal navigation.—Lancaster Canal Report, lat February, 1942.

275.—TROOPS BY RAILWAY.—A new regulation has been issued, under authority from the Horse Guards, relative to the conveyance of her Majesty's forces by railway, in virtue of the act 7 and 8 Vic., c. 85, clause 12, by which it was enacted that all railway companies are bound to provide conveyance as hereinafter mentioned:—"Officers to be conveyed at fares not exceeding twopence per mile, in first-class carriages, each officer to be allowed 1 cwt. of baggage free of charge; soldiers, their wives, and children above twelve years, to be conveyed at fares not exceeding one penny per mile; children above three, and under twelve, half price; those under three years of age are to be carried free; regimental baggage twopence per ton per mile; detached soldiers and heir families to be allowed 5616s. of baggage each; carriages to be provided with seats, and persons protected against the weather; soldiers, or their families, who cannot produce a route, or other satisfactory authority, to proceed by this conveyance, to be considered as ordinary passengers, and not entitled to the herefit of this agreement. In order to avoid the risk of advancing money to persons not trustworthy, directors to accept in lieu of immediate payment of fares, passage warrants or tickets, signed by proper officers, ordering the conveyance; such warrants to be provided at the expense of the public, and payable monthly. And whenever necessary to move officers, soldiers, &c., or their baggage or stores, the company to provide the requisite accommodation at the usual hours of their trains starting."—Midland Counties Herald, Merch 1845, 1845.

276.—BIRMINGHAM AND GLOUCESTER RAILWAY.—On Saturday week a fire broke out in the eight o'clock train among the goods. The engine driver dashed on at a more rapid pace towards Eckington, to the great terror of the passengers in the carriages behind. £600 worth of goods were destroyed.—Railway Magazine, July 16th, 1842.

277.—It has been ascertained from the custom-house returns, and other sources, that upwards of 200,000 tons of coal and timber alone, passed up and down the Clyde in 1841; and that about 100,000 tons of coal are consumed annually at Port-Glasgow and Greenock.

278.—THE RAILROADS AND CHRISTMAS PARSENTS.—At the terminus of the railway at Euston Square, 15,000 parcels arrived from various stations between London and Liverpool, directed to residents in London.—Railway Magazine, January 8th, 1842.

279.—The fast train on the Great Western railway, which commenced running on Monday, March 10th, 1845, completed the journey from London to Exeter, a distance of 194 miles, in four hours and fifty-three minutes. The journey to Bristol was accomplished in less than three hours, including a stoppage of ten minutes at Swindon. The travelling speed was fifty miles an hour.

280.—OLDHAM BRANCH RAILWAY.—
The traffic betwirt Oldham and Manchester has to pass
over inclines of I in 59, I in 48, and I in 27, for two miles,
which was worked by a rope and descending train in
March, 1845, the whole distance being seven miles, and
the gradient for the remaining five miles, I in 150. Ten
trains are run each way daily, carrying, on the average,
1200 passengers, and 300 tons of goods, at an average
speed of 22 miles per hour.

281.—FRAUD ON THE MANCHESTER AND LEEDS RAILWAY COMPANY.—Yesterday, at the New Balley, a man named Thomas Howarth, a common carrier in this town, was summoned before the magistrate to answer the complaint of Mr. Wood, the goods agent of the Manchester and Leeds Railway Company, at the Oldham-road Station, charged with having, on Saturday last, given a false account of some goods that were to be carried by the trains from Manchester to Todmorden, with intent to evade the payment of the proper rates. It appeared that on the day in question, the defendant had sent four lots of goods, weighing 3 tons 16 cwt., and had described one lot as "cotton," and all the rest as "goods;" but it was discovered that others of them were cotton as well as the one so described, and by this means, a will sent the strength of the mount of 9s. 5d.—He admitted the charge, and was fined 50s. and costs.—Manchester Courier March 8th, 1845.

282.—FRAUD ON THE MANCHESTER AND LEEDS RAILWAY.—We last week noticed a case in which a person had been fined for defrauding the Manchester and Leeds Railway Company, by giving a false description of goods sent by the line. On Thursday, a precisely similar charge was preferred at the New Balley, by Mr. Wood, the goods agent of the company, against John Heathcote, a person in the employ of Messrs. M'Kay, Thompson, and Co., carriers. who had been detected in the practice of sending goods of a higher quality than he described them to be. Mr. Harding, solicitor, supported the charge; and Mr. Law, solicitor, appeared for the defendant. The case was clearly established against him, and he was fined 50s. and costs; in default of payment, he was committed for a month.—Manchester Courier, March 15th, 1845.

283.—The following are the particulars of the merchandise traffic on the Manchester and Leeds railway, for six months ending

 284.—LARD.—During the half-year ended the 5th of January, 1843, the total quantities of lard imported amounted to 10,664 cwt., 780 cwt. being of and from British possessions, and 9,884 cwt. of and from foreign countries. During the year ended the 5th of January, 1844, the total quantities imported amounted to 76,503 cwt., of which all but 346 cwt. came from foreign countries. During the year ended the 5th of January, 1844, the total importations amounted to 69,428 cwt., of which only 133 came from British possessions. By far the greatest quantity of lard, indeed almost all, is imported from the United States of America. The quantities of lard entered for home consumption in the United Kingdom, amounted in 1842, (one half-year) to 26,165 cwt., paying a duty of £6369; and in 1844-5, to 81,518 cwt., paying a duty of £6369; and in 1844-5, to 81,518 cwt., paying a duty of £6359. duty of £8556.

285.—Mr. Poole, who, in 1844, wrote strongly against "carriers" being admitted on railways, states:—"A nobleman had some furniture, &c., taken from London to Stafford, by a carrier, who charged £20.8s. 2d. for carriage thereof. The nobleman complained that the charge was excessive, and after an expostulation, the carrier reduced the amount to £14 18s. 7d.

"A merchant had goods conveyed from London to Liverpool by this same carrier, who charged £8 9s. 8d.; but, upon a strong remonstrance being made, the carrier reduced his demand from the above amount to #5 13s. 1d.

"A military officer had two casks of wine sent from Liverpool to Birmingham, and thence to the barracks at Weedon. This identical carrier conveyed the wine from Birmingham to Weedon, a distance of only forty-three miles, and charged the sum of £16s. \$d., (out of which he would pay the railway company about 6s. only,) whereas the Grand Junction Railway Carrying Company, who conveyed it from Liverpool to Birmingham, a distance of ninety-eight miles, charged only 12s.

"A poor widow, and her family of young children, had their furniture removed from London to Liverpool by this same carrier, who charged her 7s. per cwt. for it, as being "goods out of trade," and for which they openly profess to charge excessive rates. The poor widow had no means to litigate the affair, so she was compelled to pay it.

"I have an instance now before me, wherein a Carrying Firm paid to the Liverpool and Manchester Railway Company, for the carriage of three cases of merchandise, Birmingham to Weedon, a distance of only forty-three

Firm paid to the Liverpool and manchester Kailway Company, for the carriage of three cases of merchandise, as if weighing 12 cwt. 2 qrs. 17lbs., the actual gross weight of the goods being 12 cwt. 3 qrs. 2lbs.; but the weight upon which the Carrying Firm charged freight to

the consignee was 17 cwt. 0 qrs. 4lbs.
"Mr. A. Taylor sent ten bales of cotton to the Liverpool and Manchester Railway, intended to be conveyed by that company, but which were intercepted by an *employe* of Messrs Barnby, Faulkner, and Co., "Railway and Canal Carriers," and were not delivered to the consignees antil ten days afterward, whereby considerable loss was sustained, by the owner's mill having been kept standing, for want of this particular lot and description of cotton."

286. The Manchester and Leeds Railway Company had in their warehouse at Manchester, in April, 1845, upwards of 100,000 sacks of flour and grain; they deliver from 2000 to 8000 sacks each day, and havenine luggage trains out, and seven trains in daily. They pay for unloading the sacks and putting them into the warehouse, 22d. per ton; and if stowed two sacks high, 5d. per ton.

287.—Quick Travelling.—On Satur-287.—QUICK TRAVELLING.—On Saturday, May 8rd, 1845, a new engine, manufactured by Messrs. Sharp, Brothers and Co., was delivered to the Manchester and Birmingham Railway Company, and on Monday, the 5th, it conveyed the express train from Manchester to Crewe, thirty-one miles, in thirty-nine minutes, including a stoppage of four minutes at Chelford, and returned from Crewe to Manchester in forty minutes, including a similar stoppage. The engine was driven by the superintendent of the Manchester and Birmingham Company's locomotive department; and there is every reason to believe that the distance can be safely run in thirty minutes, exclusive of stoppages. A similar engine is to be delivered to the same company on the 8th inst, and it is of much importance to company on the 8th inst, and it is of much importance to the company, that these new engines consume much less coke per mile.

288.—RATE OF TRAVELLING AT DIF-FERBIT PERIODS.—In Alkin's History of Manchester, (1795) it is stated, "when the Manchester trade began to extend, the chapmen used to keep gangs of pack horses, and accompany them to the principal towns with goods in packs, which they opened and sold to shopkeepers, lodging what was unsold in small stores at the inns. The pack horses brought back sheep's wool, which was bought on the journey, and sold to the makers of worsted yarn at Manchester, or to the clothiers of Rochdale, Saddleworth, Manchester, or to the clothiers of Rochdale, Saddleworth, and the west riding of Yorkshire. On the improvement of tamplike roads, waggons were set up, and the pack horses were discontinued; and the chapmen only rode out for orders, carrying with them patterns in their bags. It was during the forty years from 1780 to 1770, that trade was greatly pushed, by the practice of sending these riders all over the kingdom, to those towns which before had been supplied from the wholesale dealers, in the capital places before mentioned.

"In a manufactures' private expense book in 1701 is

"In a manufacturer's private expense book, in 1701, is paid £26 18s. 9d. for a journey to Scarborough; and hire of a coach, £18 6s. 2d."

"In 1700, a manufacturer taking his family up to London, hired a coach the whole way, which, in the state of the roads, must probably have made it a journey of eight or ten days; and in 1742, the system of travelling had so little improved, that a lady, wanting to come with her niece from Worcester to Manchester, wrete to a friend in the latter place to send for her a hired coach, because the man knew the road having brought from thence a family some time before, and also because he travelled on cheaper terms than the Worcester hired coaches."

And in Bainer's History of Lancashire, that—"In 1721, it appears, from the post office regulations, that, at this time, the posts, both to London and the north, departed from Manchester, and returned to this place, only three times a week. Eight days were then required to the best interphene of a post, letter from London. to effect the interchange of a post letter from London, which is now [1636] completed in sixty hours.

"In 1754, a "flying coach" was advertised as about to commence running between Manchester and London, in the following terms, and the greatness of the marvel may be inferred from the positive and assuring tone of the announcement—' However incredible it may appear,

this coach will actually (barring accidents) arrive in London in four days and a half after leaving Manchester!"

"It is stated by Aston, in his "Picture of Manchester!"
that the news of the battle of Waterloo was brought from London to Manchester, by the Traveller, the Defiance, and the Telegraph coaches, in eighteen hours!"

289.—A gentleman left Manchester by the express train, on Saturday, the 3rd of May, 1846, and gives the following account of the time occupied between Manchester and London:—"We started from Manchester Manchester and London:—"We started from Mancnesser at 33 minutes past four o'clock, by my watch. Our first stoppage was at Chelford, [17 miles] at two minutes to five, [81 minutes] for two or three minutes. Then to Crewe, 25 minutes past five, [14 miles in 24 or 25 minutes.] We arrived at Stafford at six o'clock, [242 miles in 35 minutes,] ten minutes before our time, which we had to wait; and then started at a tremendous pace to Birming. wait; and then started at a tremendous pace to Birming-ham, where we arrived at seven minutes to seven, [294] miles in 45 minutes.] Part of the way between Wolver-hampton and Birmingham, we came about sixty miles an hour. We stayed there [Birmingham] till 16 minutes a past seven, and stopped at Coventry at 16 minutes to eight. [184] miles in 28 minutes.] Kilaby Tunnel, seven thanter was taken Wooden. 21 minutes most sight. eight. [105 miles in 30 minutes.] a minute past eight, [24 miles from Coventry, in 37 minutes.] Blisworth, 25 minutes to nine, [seven miles; 14 minutes;] and got to Wolverton at a quarter to nine, [105 miles; 20 minutes] minutes to nine, [seven miles; 14 minutes;] and got to Wolverton at a quarter to nine, [104 miles; 10 minutes] thence to Tring, 21 minutes past nine, [204 miles; 86 minutes;] and finally reached Euston Square at 12 minutes past ten o'clock. [32 miles; 51 minutes.] The regular speed from Birmingham was 45 to 47 miles an hour; on the Grand Junction about 50 generally. I did not feel any difference."—MANCHESTER GUARDIAN, MAY 7TE,

290.—Between Wolverhampton and Stourbridge there are at present (March 1845) about 100 blast furnaces in work, producing about 468,000 tons of pig iron annually.

291.—The complaints of Messrs. Pickford & Co., against the Grand Junction Railway Company, are stated as follows in a letter from the Board of Trade the Grand Junction Company, dated March 4th, 1841:

In undertaking by themselves and their agents, a branch of business not authorized by their Acts, which only empower them to carry over their own and other railways, viz: the collection and distribution of goods at the termini of Manchester, Liverpool, Birmingham, and

"2. In refusing to carry goods for Pickford and Co. from termini to termini, unless they pay the same rate as is charged to other parties, including cartage and distribution, and thereby charging unequal rates to dif-

ferent parties.

"3. In refusing to Pickford and Co. the accommoda-tion enjoyed by themselves as carriers, of permitting Lon-don and Birmingham trucks, loaded in London, to go on to their line at Birmingham, and proceed to Liverpool or Manchester, without unloading.

"4. In refusing to allow Grand Junction trucks, loaded with Pickford and Co.'s goods, to go on to London, unless paid by Pickford and Co., for their use, aithough under their agreement with the London and Birmingham Company, they receive a consideration for the hire of all trucks which go upon the line of that Company, and although they give the advantage of the use of their trucks to London to themselves, or their agents, acting as com-

peting carriers.

"The above appear to their Lordships the principal points upon which the memorial of Messrs. Pickford and

Co. makes out a prima facie case against the Graud Junction Company for explanation."

An action commenced in 1840, and the points at issue were argued at considerable length in the Court of Exchequer, on the 2nd July, 1842; and on the 7th July, 1842;

Mr. Baron Parker gave judgment in this case as follows:—
The two main questions raised in this case are first, whether the defendants were bound to carry a hamper containing several parcels, each less than 112 lbs., directed to and intended for different persons, for the sum offered to them by the plaintiffs; and secondly, whether they were bound to carry a parcel from Manchester to Camden Town for the sum of the beautiful for the part of the part o Town for the sum offered to them by the plaintiffs. There were two hampers, each containing several small parcels, tendered at different times to the defendants, but the same question arises out of both. The sum tendered in respect of each is found to be the full amount the defend outs were of each is found to be the full amount the defend-uits were entitled to receive for the receipt and carriage of the hamper and its contents, and for all other charges, unless the defendants were entitled to charge for each parcel contained in the hamper separately, or to charge id. per lb. on the gross weight of the hamper and its contents. We are to determine, therefore, whether the defendants are eatitied to make either charge—a mixed question of law and fact—the fact being submitted to us, by the consent of the parties, as to a jury. Under the Act of Parliament establishing the Grand Junction Railway Company, 3rd Geo. IV., cap. 34, the Company is authorised, by sec. 156, to carry on that railway all such goods. &c., as shall be offered to them, and to make such reasonable charges for such carriage and conversance as they may from time to time determine upon, in addition to the tonn ge and toll, without any other restriction in the corac of code, they without any other restriction in the corac of code, they without any other restriction, in the case of goods, than that the charge should be reasonable. By 4th William IV., cap. 55, sec. 19, these powers are extended to the carriage of all goods that should be offered on other railways, but they are still to make reasonable charges for such carriage. By virtue of this clause, the Company in their character of common carriers are bound to carry for reasonable charges, if reasonable charges are tendered. The true question, therefore, is resolved into this: whether for the hamper containing small parcels, it is reasonable to charge either for each parcel contained in the hamper separately, small parcels consigned to different persons, or separately, small parcels consigned to different persons, or one penny per lb, on the gross weight of each hamper and its contents. The charge is no doubt to be varied accord-ing to the trouble, expense, and responsibility attending the receipt, carriage, and delivery of the different articles, and for small urticles more ought to be paid than a pro-portionate part, according to the weight and price of larger parcels of the same commodity, by reason of the great trouble in receiving, despatching, and delivering, as they

are exposed to a much greater risk of abstraction or loss are exposed to a much greater risk of abstraction or loss, But if all the small parcels are united in one package, and delivered for carriage in that package, consigned to one person, the trouble and responsibility are apparently reduced precisely to the same degree as if all the articles contained in the package were the property of the same owner, and intended to be delivered to him. There would nearly therefore, to hear of the tables of such residence. owner, and intended to be delivered to him. There would seem, therefore, to be no right to charge for such package of distinct parcels belonging to different owners, more than if they belonged to the same; but then, it is urged on the part of the defendants, that there really is an increased responsibility, arising from the simple fact that each parcel is the property of a distinct owner, because it is said that in the event of a misdelivery, the Company would be liable to several actions of trover, instead of one; and even in case of loss, or damage, by neglect, each separate owner case of loss, or damage, by neglect, each separate owner might maintain an action, on the custom of England, with respect to his own goods. It is very doubtful at least, whether on the custom of England, separate actions could be maintained, as the relation of employer and carrier, would not have subsisted between them and the Company, would not have subsisted between them and the Company, but between them and the plaintiffs. As the action of trover, however, could be maintained, it would not be unreasonable to allow some additional remuneration, on account, not of the liability to pay greater damages, for they would be the same in both cases, but to pay the same damage by means of different suits. We are relieved, however, from the necessity of deciding what the precise amount of additional compensation should be (which at all events should be triffing, because it is admitted in the events should be trifling; because it is admitted in the special case the sum tendered is proper, unless the defendants had a right to charge for separate parcels, which they certainly had not; because neither the trouble, expense, nor responsibility, is the same as if the parcels had been separate, or unless the defendants had a right to charge one penny per lb. We have no difficulty in saying, that the last-mentioned remuneration is excessive, and unjustified by the increase of responsibility, from the circumstance of the properties being separate. It is impossible to support, on this ground, the charge of £4. 1s. 8d. for the first package, of which, if it had consisted of parcels, one property, £1 6s. 6d. would have been the proper charge, and a charge of \$3 ls. 6d., instead of 9s. for the second. We are of opinion that the plaintiffs are entitled to our judgment on the first question raised between them, which is the subject of the two first counts. On the second question the court have already intimated their opinion, that this Company cannot support a claim for the same sum for carriage to Camden Town, and for a carriage thither and delivery at any place in London. By the provision already referred to, they are to carry for reasonable charges for carriage; and by the 3rd Victoria, cap. 49, sec. 26, such charges are to be made equally; and it is clearly unreasonable and unequal to charge the same sum to a consignee who is willing to receive the goods at Camden Town, and one who requests them to be delivered at the London Docks, or elsewhere in them to be derivered at the London Docks, or elsewhere in Loudon. The plaintiffs are bound to pay the balance of 69s. per ton, after deducting a reasonable charge for delivering in London, and no more; and the defendants must carry to, and deliver at, Camden Town, for that sum. The plaintiffs are therefore entitled to succeed on the second issue raised by the special case, and the verdict on all the issues is to be entered for the plaintiffs.

292.—On the 2nd of March, 1841, a passenger engine conveyed from Wootton Bassett to Paddington, 256 tons, exclusive of engine and tender, and on the 12th of March, another engine took down 216 tons

293.—The salt works of Cheshire, Worcestershire, and Lancashire, are capable of making up-wards of a million of tons of salt annually, although the demand was only about 500,000 in 1844.

294.—The Manchester and Leeds Railway Company brought down charges to the public as follows:— Per ton between Manchester and Hull, 99 miles. Before the Rallway | 4th Feb.

opened in 1840	1845.
	£. s. D.
	0 18 0
	1 0 0
Manufactured goods 5 0	1 4 0

295.—RAILWAY TAXATION.—The late reports of the following railways give the following statistics for the last haif-year:—Grand Junction (104 miles; capital expended, £2,500,000.) half-year's traffic receipts, £229,000.; for dividend, £130,000.; paid poor-rates, tithes, church, &c., £3,890.; Government tax of five per cent. on passengers, £7,000., besides income tax on dividend, &c. Birmingham Railway (112 miles.) capital expended, £6,000,000.; on branches, £500,000.) half-year's receipts, £450,000.; working expenses, £182,000.; disposable balance, £273,000.; rates and taxes, £12,297.; Government passenger tax, £15,784. Greenwich, (34 miles; capital, £1,000,000) receipts, (1,000,000 passengers), £27,600.; expended, £27,400; balance for shareholders, £270.; paid Government tax, £1,071.; rates and taxes, £4,632.; income tax, £121. Thus it will be seen that four railways of 440 miles length or 4400 acres of landy paid, in the half-year, £30,146. rates and taxes, (or six per cent. ;) and £39,200. passenger tax, (or six per cent. further;) besides stamps, income tax, &c. on their disposable balance of £63,000. The total amount of this taxation presses very heavily, when it is computed that there are now 2,000 miles of English railways with a capital of £100,000,000,; and that on thirty-eight of these railways, (extending 1,756 miles,) for the last six months of 1844, the traffic receipts were £3,250,000 being about £4,000. per mile per annum; from which deduct £1,600. for working expenses, and there is left £2,400. per mile per annum or nearly £2,000,000. for this deduct £1,600. for working expenses, and there is left £4,400. per mile per annum or nearly £2,000,000.

dividend.—RALLWAY AND LAND TAXATION, March 1845. 296.—The quantities of tea retained for home consumption in the United Kingdom amounted, in 1740, to 1,493,625lbs., and in 1844 a (century afterwards.) to no less than 41,363,770lb. In the period between 1764 and 1766, the consumption varied from 473,868lb. to 5,307,292lb. annually; between 1767 and 1783, from 6,776,229lb. to 7,328,098lb. annually; between 1784 and 1794, from 10,159,70llb., to 18,665,365lb annually; between 1795 and 1805, from 18,665,365lb annually; between 1896 and 1818, from 21,065,643lb. to 26,527,53llb. annually; between 1896 and 1818, from 21,065,643lb. to 26,527,53llb. annually; between 1896 and 1818, from 21,065,643lb. to 25,241,633lb. to 31,629,620lb. annually; and between 1834 and 1844, from 30,625,260lb. to 49,142,236lb. annually. The largest import occurred in the year 1836, when 49,142,236lb. were entered for home consumption. The exertions of Father Matthew and his abstemious associates appear to have influenced, in some degree, the home consumption of late years, inasmuch as the entries have jumped, between 1840 and 1844, from 32,252,523lb. to 41,363,770lb. a-year, a difference of 9,111,142lb. The net receipts of the duty on tea (Customs and Excise) between the years 1740 and 1766 are not ascertainable from any existing records. In 1787, the net annual receipt amounted to the sum of \$573,681; in 1794, to £671,974; in 1797, to £1,068,787; in 1803, to £3,832,835; in 1830, to £3,832,835; in 183

297.—The total quantity of foreign iron (in bars or unwrought) imported into the United Kingdom in 1841, was 23,761 tons. The total quantity of British bar iron (including unwrought steel) exported from the United Kingdom in 1841 was 170,177 tons.

298.—In 1832, Mr. F. Barnes complained before a Committee in the House of Lords, that the Grand Junction Canal Company's servants broke holes in his packages to secertain the contents.

299.-Mr. Morrison stated in the House of Commons, March 29th, 1845, "That previous to the introduction of railways, the consumption of fish at Manchester was comparatively small; but Captain Lawes had induced the railway proprietors to reduce the charge of transit, and got the fishermen on the coast to sell all the fish they could take at one regular price, whether the catch was great or small, and the result was, that the best cod fish was reduced from 8d., or 1s. per pound, to 14d. or 2d., placing it within the reach of artizans, and the demand had so risen as to keep ahead of the supply. The former consumption of 34 tons per week had, within the last year, given place to one of 80 tons; and the undertaking given piace to one of all tons; and the uncertaking answered extremely well to all parties concerned. The improvement also, in the cost of constructing a line was most remarkable. The old railways cost £50,000, or £60,000 a mile; the proposed new lines were commonly to be at £19,000 or £12,000 a mile, and some at less; in a few years, \$10,000 would, doubtless, be considered an extravagant expense And the whole expense of driving an entire train, was found to be not more than the expense of posting with a pair of horses used to be, namely, 2s. a mile, and in some cases it was considerably less. The mile, and in some cases it was considerably less. The expense of the locomotive power in the carriage of goods, was only about three eighths of a penny per ton per mile; it could be done at a profit on all goods, at a halfpenny a ton. He (Mr. Morrison) would not dwell upon the Belgian line, because it would be said that that was a government undertaking, though he thought that no answer at all; the average fares upon it were about ld., ad., and ad. per mile, but it could be worked much cheaper than at present. The Orleans line was the model which the French intended to adopt in all their proposed railways. The tariff was about 1½d., 1d., and ½d. for the three classes; 10, ½, and 5 centimes per kilometre. Ours was very generally 3d., 2d., and 1d. Now, surely, under our circumstances 2d., 1½d., and 1d. Mow, surely, under our circumstances 2d., 1½d., and 1d. would be quite an ample remuneration for most of the new lines; and he himself believed, that 1½d. 1d. and ½d., would be the common charge by and by. He concluded with moving,—"1. That it is the duty of Parliament, in giving its sanction to the establishment of new railways, to render them the means of affording to the public, the beat and safest communication, and the greatest possible amount of accommodation, at the lowest possible rates. 2. That the clauses heretofore introduced into railway bills to limit the amount of tolls to be demanded The Orleans line was the model which the French inrailway bills to limit the amount of tolls to be demanded for the use of the railway, having proved practically inoperative, it is expedient to make a more effectual provision against the undue enhancement of the cost of travelling and transportation in every future railway bill, by fixing the highest rates which the railway company shall by allowed to charge for the conveyance of passengers and goods. 3. That for this purpose every committee on a railway bill, introduced in the present or any future session of Parliament, shall report a table of fees and charges, the lowest which they shall judge to be consistent, under the circumstances of each case, with a fair and reasonable return for the capital to be invested. 4. And that every committee to which two or more competing projects for new railways may be referred, shall require the promoters of each to put in statements as to the rates of charge for the conveyance of passengers and goods to which they are content to be limited, and the amount of accommodation which they will bind themselves to provide for the public at those rates; and that, in determining on the comparative merits of competing schemes, regard shall be had to the extent and nature of the advantages which can be thus reserved to the public from each." Mr. Morrison afterwards withdrew his motion.

300.—In 1832, eight waggons per week went and returned between Birmingham and London, conveying about 2298 tons, at about 3s. per cwt. down, and 5s. up; and three waggons between Northampton and Birmingham, conveying about 3012 tons, at about 2s. per cwt.; also about 5000 tons up, at 3s., and 3000 tons down, at 2s., between London and Daintry.

301.—CATTLE TRAFFIC.—The number of Cattle conveyed on the Main Line of the Great North of England Railway in the year 1844 was 16,238 head, which is equal to 360 per mile per annum. The number of Sheep, Calves, and Pigs conveyed on the same line in the same year was 24,150, which is equal to 534 per mile per annum.

302.—Parliament sanctioned, in 1845, the construction of 2,090 miles of new railways in England and Scotland, and of 660 miles in Ireland. This is, in effect, to double the extent of the railways of Great Britain, exclusive of Ireland. The capital authorized to be raised in shares for this purpose, amounts to £31,680,000, exclusive of £6,500,000 required for the Irish lines, making in all, £38,480,000, to be applied in England, within the next two or three years, for our own railways. The cost of the new railways per much less than that of existing lines. The average of the new is nearly £15,000 per mile, and that of the old exceed £30,000 per mile. It will thus be seen that the amount to be provided for the new railways is not so enormous as has been supposed from the number of bills before Parliament. At the same time it is sufficiently large to require serious consideration, and to arrest the progress of reckless speculation. £10,000,000 a year for the next three years, can be easily spared by a nation whose annual savings are calculated to exceed £50,000,000. By an investment of these £30,000,000 profitably, the country wift be enriched, and multitudes benefited both at present and permanently. At the same time, the demand for money, when the calls for these works come to be made, will be sufficient to put a check upon all idle and foolish schemes, such as those against which we have warned our readers. The expected revenue from these new lines considerably exceeds £2,000,000 sterling per annum.—RAILWAY CHRONICLE—TIMES, 117H ADOUST, 1845.

303.—A GIGANTIC ENGINE.—A locomotive engine, of truly gigantic dimensions, has just been constructed at the Broomsgrove station, on the Bristol and Birmingham Railway, under the direction of Mr. M'Connel, the locomotive superintendent of that line, and, like her great contemporary on the ocean, has been appropriately named the "Great Britain." This iron giant has proved its power to be equal to the conveyance of upwards of 1000 tons on the level rails, and has ascended the Lickey incline on the above railway, with a load of 150 tons, thus surmounting a gradient of 1 in 37—a feat of locomotive power hitherto without a parallel. The dimensions of this mammoth engine are as follow, viz: Diameter of the cylinder, 18 inches; length of stroke, 26 inches; six wheels coupled, 46 inches; having a tank over the boiler for the supply of water, and a foot plate sufficiently large to hold boxes containing the coke necessary for a trip up and down the incline. This is by far the largest locomotive engine that has yet been made; it is now in daily use, and is worked with the greatest facility.—Globs—Times, Adoust 267H, 1845.

ad4.—New Locomotive Agency.—A letter from Philadelphia, published in the Menorial de Rouen, has the following:—"William Evans has resolved a problem, which must overturn our present system of railway and steam-boat propulsion. By means of enormous compression, he has succeeded in liquifying atmospheric air, and then a few drops only of some chemical composition, poured into it, suffice to make it resume its original volume with an elastic force quite prodigious. An experiment on a large scale has just been made. A train of 20 loaded wagons was transmitted a distance of 60 miles in less than an hour and a quarter—the whole motive power being the liquid air enclosed in a vessel of two gallons and a half measure, into which fell, drop by drop, and from minute to minute, the chemical composition in question. Already subscriptions are abundant, and a society is in course of formation. The inventor declares, that an ordinary packet boat may make the passage from Philadelphia to Havre in eight days, carrying a ton of his liquid air. A steam engine of sixhorse power will produce that quantity in eight hours."—Times, August 28, 1845.

305.—In 1832, goods were conveyed between Birmingham and London as follows:—By coach, in 15 or 16 hours, at 8s. 4d. per cwt.; by waggon, in about four days, 5s. per cwt.; by canal, in five or seven days, 2s. 6d, and 2s. 9d. per cwt.

306.—The Liverpool and Manchester Railway conveyed during the first six months in 1831, 42,000 tons of goods; and the next half-year, 65,000 tons. 307.—RAILWAYS AND CANALS.—In the appendix to a statement issued in 1845, on behalf of the forand Canal Company of Ireland, in the matter of the proposed railway to Cashel, there are given some curious details as to the effect of railways on canal property. Thus, the Grand Junction Canal, which forms the first 90 miles of water communication between London and Birmingham, had, in the three years immediately preceding the opening of the railway, an annual revenue from tolls ranging from £174,722 to £188,000, regularly increasing. Since the railway was fully in operation, this revenue has varied from £121,139 to £113,012. The Rochdale Canal is 33 miles long, and throughout the entire distance the Manchester and Leeds Railway runs parallel to it. In the three years previous to the opening of the railway, the tolls ranged from £62,059 to £59,258; in the last three years, they have varied from £31,533, to £71,655. The Kennet and Avon Canal, and the Wilts and Berks Canal, are both affected by the Great Western Railway, and the tolls of the former have fallen, since the railway was opened, from £46,703, to £32,045; and of the latter, from £19,329, to £8,477. The Forth and Clyde Navigation has gone down from £62,516, to £42,218; and the Union Canal, which connects Edinburgh with the Forth and Clyde Canal, has had its net profits reduced, by railways, from £12,000 to £4,284. The market price of canal stock, has, of course, suffered in proportion. Thus, shares in the Grand Junction Canal have fallen from £330 to £180; Worcester and Birmingham, from £38 to £65 to £64,27, which can extend the proportion and the first of £41,260 to £61,4; while Coventry Canal Shares, which, at one time, were as high as £1200 per share, have fallen as low as £315.

308.—WHITSUN-WEEK AT MANCHES-TER.—During this week, in 1846, the Sheffield and Manchester Railway Company booked the following number of pa-sengers:—

9
5
9
8
7
6
Ò
8
5
2
0
1
0
֡

On Whit-Saturday, 17th May, 20,738 passengers were booked, exclusive of Sunday Scholars. The amount of receipts during the week, were £. s. p.

 Passengers
 1520 i3 1

 Parcels
 16 8 2

 Goods
 66 16 10

 Live stock
 13 8 3

£1617 6 4

The Manchester and Birmingham Railway Company, during the same week, booked as follows at the Manchester station only, for various places, 24,150; to which add 1026 for London, by cheap trip, and 10,081 for Sunday Scholars and their friends, making a total of 35,257 passengers. The Manchester and Birmingham and Shefield and Manchester Companies, are both at the same station at Manchester, thus 46,696 passengers actually left one station during the week. The Manchester and Leeds Company, during the same week, booked upwards of 96,000, including what returned to each place.

309.—MERCHANDISE TRAINS ON THE MANCHESTER AND BIRMINGHAM RAILWAY.—On the 28th July, 1845, this company conveyed between Manchester and Crewe, 230 waggons, with 577½ tons of goods. The total, during the day, received and sent out of Manchester, was 262 waggons, containing 5732 tons of goods. The weight of goods and waggons was 1328 tons, of which 1231 tons passed up or down the hoist.

310.—EXTENT OF PARLIAMENTARY PRINTING.—Returns have just been laid before the House of Commons, which show that the average number of acts of Parliament printed by the Queen's publisher in Ireland, in each year, from 1831 to 1844, amounted to 13,000; and that the total number of sheets filled by those acts amounted to 50,000. There were reprinted about 8,000 acts in folio, containing 23,000 sheets, besides 9,000 acts reprinted in octavo, consisting of as many as 17,000 sheets. The number of acts of Parliament distributed amongst the public in the period ranging between 1831 and 1844, amounted to about 150,000; the number supplied under the promulgation order, amounted to 1,787,068; and the number supplied to the public departments, to 140,044.—Times, August 87H, 1845.

311.—PUBLIC SPECULATIONS.—A list of all the private bills applied for during the present session of Parliament, for which a subscription contract, or undertaking in lieu of a subscription contract, has been deposited in the Private Bill-office, stating the amount of the estimate for each work, of the capital stock to be raised in each case, and the sum authorized to be borrowed over and above such capital stock; and showing the total amount of the estimates, capital, and money to be borrowed for each class of works, gives the following results:—

Description of bills.	Estimate of Expense.	Capital Stock.	Money proposed to be authori- zed to be borrowed,
1, Railways	176,190 613,452 1,653,000	732,080 1,000,000 22,000	1,100,500 320,000
-0	95,748,529	96,566,893	32,168,182

TIMES, JULY 3RD, 1845.

312.—TRADE AND NAVIGATION.—A parliamentary paper has just been issued, containing returns relative to trade and navigation, for the five months ending June 5th, 1845. The whole range of trade is embraced, but we have room at present for a few articles only. Butter, for instance: in 1843, the quantity imported was 54,604 cwt.; in 1844, the quantity was 69,053 cwt.; in 1845, 93,433 cwt. Cheese has increased in the same proportion. The quantity of wheat imported in 1845, was 71,089 quarters—a very small amount compared with the imports of the preceding two years. Flax also fell off materially. In fruits, the imports increased more than twofold. Silk, skins, spices, rum, and brandy also increased. Sugar imported in 1843, was 1,639,792 cwt.; in 1844, 1,286,470 cwt.; in 1845, 1,926,036 cwt.; and all for home consumption. Tobacco has doubled in the last two years. Wine has also doubled in quantity since 1843, the quantity in 1845 being 2,720,344 gallons. Cotton wool from the British possessions is also on the increase, but foreign has fallen off. Sheep and lamb's wool has increased from 1,234,621lb. in 1843; to 18,421,823lb. in 1845. The exports of coffee from the British possessions in 1843, were all,246lb. only; in 1844, 33,802lb.; in 1845, 263,421lb. The declared value of exports, coal, cotton manufactures, yarn, cutlery, earthenware, hardware, linens, linen yarn, metals, salt, silk manufactures, refined sugar, sheep's wool, woollen yarn, woollen manufactures, in 1843, was 17,027,190; in 1844, £19,490,719; in 1845, £20,425,579. With regard to shipping, the tonnage entered inwards in the same periods respectively, 1,521,936 in the five months ending the 5th of June, 1843, was 1,412,694,1,593,008. In the coasting trade, the tonnage entered inwards in the same periods, was, including the trade with Ireland, 4,174,439, 4,263,343, 5225,5392. Cleared outwards, 4,360,984, 4,507,848, 5,393,419. The number of ships has increased in the ratio of the augmentation of the tonnage.—Timms, Arouse 2nn, 1845.

313.—IMPORTATION OF FOREIGN CATTLE, FRUIT, &c.—A very large quantity of cattle, fruit, and other descriptions of provisions has again been imported into this country from Holland and other parts of the Continent, within these few days. The Dutch steamship, Batavier, which arrived at the St. Katherine Steamwharf, from Rotterdam, on Wednesday afternoon, had on board the large number of 74 head of oxen and cows, and 80 sheep, all of which were in excellent condition, and were landed and delivered with all possible despatch. This vessel also brought 646 baskets of currents, besides a large quantity of melons, poultry, yeast, and other articles of Dutch produce and manufacture. The General Steam Navigation Company's vessel, Rainbow, which arrived at the St. Katherine's wharf, from Havre, on the following evening, had a large quantity of fruit, chiefly plums, and eggs, besides a variety of other articles; and the Company's vessels, Tourist, from Calais, and Earl of Liverpool, from Ostend, on the same day, had also a large quantity of poultry, eggs, and butter, and other articles for consumption in this country.—Times, August 971, 1845.

314.—SALT TRADE IN 1844.—The following statement is a near approximation to the actual consumption in 1844.—Droitwich and Stokewich have made about 50,000 tons; and with their increased works may probably work double that quantity in 1845. Of the above about 20,000 tons was sent to Gloucester for foreign and coasting trade; for the London market, about 15,000 tons, and for other places, 15,000 tons. The annual consumption of salt, at home and abroad, is upwards of 600,000 tons, and may be estimated as follows:—

T	ons.
Birmingham, for house use	2500
	1500
Walsall, Wolverhampton, and Stourbridge	1000
Kingsbury, Atherstone, Tamworth, Lichfield	1200
Burton and Derby	600
Belper, Wingfield, Chesterfield, Mansfield	400
Masbro' and Rotherham	1000
Sheffield and district	1200
Barnsley, Swinton, Doncaster	600
Wakefield	500
Leeds	2000
Selby and York	1200
Selby and YorkOn the Great North of England, up to Dar-	1500
lington	1900
Lincoln, Louth, Newark, Market Rasen	1200
Burton, Holbeck, Sleaford, Spalding	1000
Wisbeach	600
Nottingham, Grantham, and district	900
Kegworth, Melton Mowbray, Leicester, Lough-	1000
borough, Lutterworth	1000
Rugby, up to Northampton	1000
Peterborough, Huntingdon, and Ely	500
Cambridge and district	900
Newmarket, Thetford, Denham	300
Lynn and District	2000
East of Norfolk, up to Yarmouth	2500
Great Yarmouth.	5000
Lowestoft	500
Norwich	2500
Southwold, Woodbridge	800
Harwich, Ipswich, Colchester	3000
Bury St. Edmunds, Sudbury, &c.	1000
Radcott District	500
Bedford, Fenny Stratford, Woburn	1200
Leighton, Amptill, Aylesbury, Dunstable	1800
London, from 25,000 to.	
Essay Kent Sussey Hamnshire Dorset	2000
Essex, Kent, Sussex, Hampshire, Dorset, Somerset, Devon, Cornwall, and the greater part of Wales, now supplied	
greater part of Wales now supplied	30000
from Liverpool	
Warefordships Waresetswhips Orfordships	
Herefordshire, Worcestershire, Oxfordshire, Berkshire, Wiltshire, now partiy supplied	10000
from Worcestershire	10000
Liverpool exports annually:	
For Baltic	20000
Holland and Belgium	
Coasting trade and Ireland	20000
America, Africa, Asia, and Colonies	70000
From the works for home use in the interior	VUUU
From the works for nome use in the interior	~~~

315—ENGLAND AND THE CONTINENT. The following table shows the number of persons who passed between England and the specified ports during the first six months of the present year:—

Boulogne. 24,977
Ostend. 9,102
Havre. 7,510
Calais 6,088 Antwerp..... 2.391

TIMES, AUGUST STH, 1845.

316.—TABLE OF THE LIVERPOOL DOCKS,

SHEWING THE AREA OF WATER				
	Water Area. Acres. Yards.		Total Quay Space Mies/Yards.	
George's Dock and Pussage	5	2593	0	1001
Prince's Dock and Locks	11	3889	0	1613
Waterloo Dock, Lock, and half of passage	6	1153	0	993
Victoria Dock, River En- trance, & half of passages	5	4159	0	827
Trafalgar Dock, Lock, and half of Passage	6	2643	0	1020
Clarence Dock and Passage Clarence Half-Tide Dock.	6	273	0	914
Graving Dock Basin and Passage	0	4072	0	291
Total Water Area and Quay Space of Dry Basins }	13	4828	1	358
Total Water Area and Quay Space of the Liverpool Docks	120	4270	9	1551
Canning & Salthouse Docks and Passage	4	3493	0	780
Albert Dock and Passages	7	3542	0	885
King's Dock and Passage	7	3896	0	875
Queen's Dock and Passages	10	3101	0	1255
Union Dock and Passages	2	3505	0	497
Coburg Dock and Passages	4	2198	0	747
Brunswick Dock and Passage	12	2744	0	1092
Brunswick Half-tide Basin and Passage	1	3388	0	491
Toxteth Dock and Passage	- 1	469	0	393
The extreme length of the comp	leted		all be	
to the Dock Estate, is two mil	es an	1 1087	yard	s. The

total measurement of Graving Docks at bottom is 1830% lineal yards .- LIVERPOOL STANDARD 17TH DEC. 1844. 317.—The progressive increase of business on the Manchester and Leeds Railway is shown in the following comparative statement:

assengers: number book-ed in six months, viz lst January to 30th June:— First class. 1845 1848. 1844. 42,751 143,823 63,814 160,190 627,493 40,128 130,941 381,570 Third and fourth class. . 487,031 552,639 851,497 673,605 Merchandise-Tons conveyed 144,617 192,381 5,711,208 4,451,088 7,380,963 Receipts-From passengers, par-cels, and mails Goods, live stock, and 56.951 64,053 70.672 53,806 64,018 80,940 1,667 Rents. 1,766 1,815 112,524 129,386 £153,279 Disbursements-Working expenses . 33,917 36,087 45,988 Rates, taxes, and duty. . 7,867 85,747 8,318 37,459 6,059 Interest on loans 40,888 77,531

318.—Glass sent from Birmingham to London, in 1832, was about 1050 tons, by canal, and the breakage averaged 24 per cent.

319.—At a tannery near Leeds, (the largest in the kingdom,) the proprietor has at present (March, 1845,) a contract to supply, to one house alone, 2000 hides weekly. There are weekly turned out from the same tan-nery 5000 hides. In one yard there are 420 pits; and two large steam engines on the premises to pump the water. 320.—SPANISH VESSELS.—Mr. Matthew

320.—SPANISH VESSELS.—Mr. Matthew Forster, M.P., of Lloyd's, has obtained a return of the number and tonnage of all the Spanish vessels that have entered the ports of the United Kingdom, during the last five years, distinguishing whether from national, colonial, or foreign ports, and if with cargoes, or in ballast. It is found, on inquiry, that in the year 1840, 52 vessels, of 5,140 tons burden, entered, with cargoes, from national ports; 19 vessels, of 3,037 tons, from colonial ports; and one vessel, of 150 tons, from a foreign port, in ballast. In 1841, 41 vessels, of 5,022 tons, entered with cargoes from national ports; 10, of 156 tons, from colonial ports and 1841, 41 vessels, of 5,022 tons, entered with cargoes from national ports; 10, of 1,576 tons, from colonial ports; and one, of 170 tons, from a foreign port. In 1842, 60 vessels, of 7,721 tons, entered with cargoes from national; 17, of 3,074 tons, from colonial; and one, of 160 tons, from a foreign port. In 1843, 40 vessels, of 5,022 tons, entered with cargoes from national; 23, of 4,037 tons, from colonial; and one, of 120 tons, from a foreign port. In 1843, as 1,000 tons, from a foreign port. In 1843, especially 17, of 2,986, from colonial; and five, of 723 tons, from foreign ports. from foreign ports.

321.—BELGIAN RAILWAYS.—The following is a comparative statement of the receipts of the Belgian railroads during the first six months of the years 1844 and 1845:—

	1844		1845.	
	Francs.	Cts.	Francs.	Cts
January	648,204	51	753,870	57
February		99	687,262	27
March		88	956,005	30
April	901,430	52	987,101	69
May	970,266	27	1,037,599	70
June	983,665	2	1,061,119	4
		_		_

4,938,484 19 5,482,960 57
This shows an increase of 644,476f. 38 c., or 11 per cent., in favour of the first half of the present year. At the same time it is to be remarked that this increase has been entirely derived from the transport of merchandise, the number of passengers having diminished.—Times, 8TH AUGUST, 1845.

AUGUST, 1846.

322.—CANALS,—In a Memorial to the Le lalature, of the State of New York, America, the following statement of the expense of making some of the most considerable canals in England, is given:

The Bochdale Canal.

Element Canal.

Element and Avon Canal.

Element and Avon Canal.

Element and Avon Canal.

Element and Avon Canal.

Element and Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

Element Canal.

MERE PORT, NEAR CHESTER.—On Saturday, the 19th August, 1837, a large fish was observed in the middle channel of the river Mersey, opposite Ellesmere Port, which had been left by the previous tide. Mr. Samuel Salt, in his small pleasure boat, accompanied by three men, proceeded to examine the fish, which was found to men, proceeded to examine the fish, which was found to be a grampus, or young whale, nearly dead. With considerable difficulty they succeeded in fastening ropes round the body of the fish, and after tieing it to the small boat, they towed it to shore, when it was taken out of the water by a strong crane, and examined by the public. It measured, from head to tail, 25 feet; round the body, 12 feet; from each extremity of the tail, 6 feet; and weighed from 3 to five tons. The body of the fish was given by Mr. Salt to the men who accompanied him in the boat, and the skin to the Zoological Gardens, Liverpool, to be preserved.—Chester Paper, August, 1837.

The following Statistics were given in Evidence before Railway Committees, in 1845.

324.—Mr. John Bates, in the employment of Messrs. Sutton, carriers, at Leicester, said:—The present annual tonnage between Bristol, Leicester, Derby, and Nottingham, was 1,500 sheets of wool, each of 4 cwt.; 1,100 tons of drysaltery, about 300 tons of hosiery, went back to Bristol from the Midland districts. From Worcester about 1,200 sheets of wool, 400 pockets of hops, and 250 tons of cider, vinegar, and other goods, go into the midland districts. From Gloucester, 1,500 sheets of wool, principally the produce of South Wales, go into the same districts. It is carried by canal. Between Bristol and the Potteries the traffic is about 30 tons weekly.

325.—Mr. STEPHENS stated:—I am in the employment of Messrs. Pickford, and have made an extract from their books, showing the general traffic for three months, ending the 31st of March, 1845. The number of tons through Birmingham to the Severn ports, as far west as Bristol, amounted to 2,625 tons to that direction, and 2,220 tons from that direction; so that if the gauge was shifted at Birmingham, 4,945 tons would have to be transhipped. The amount to and from Birmingham, through Bristol, was respectively 72 and 28 tons; so that if the gauge was shifted at Bristol, only 100 tons would have to be transhipped.

326.—Mr. WILLIAM HANCOCK, Cookley, near Klidderminster, sald:—We pay between £9,000 and £10,000 a year for carriage of coke, pig-iron, &c. Coal costs us about 3s. a ton carriage. It takes us three days to deliver goods in Manchester, five in London, and five in Bristol.

327.—Mr. BEST, an extensive iron-master, in South Staffordshire, said:—There are 145 blast furnaces in South Staffordshire. 100 are in full blast. They make annually upwards of 468,000 tons of pig iron. For the making of this, seven times the amount of raw materials is required to be moved, vis: coal and limestone.

328.—Mr. J. W. CAPEWELL, of Dudley, said 13,660 tons of fruit and vegetables come annually into Dudley. They are brought in carts. 339 tons of fish come annually into Dudley. They come by rail to Wolverhampton, and in carts. 13,000 quarters of malt are malted in Dudley per annum. There is also a great quantity of hay, straw, and timber; of the latter, more than 6,000 tons; upwards of 24,000 head of cattle, including sheep and pigs, come into Dudley in the year for consumption. The population of the Dudley union is upwards of 90,000.

329.—Mr. BEST, a large yarn manufacturer at Kidderminster, said:—There are 2,233 carpet looms in Kidderminster. Wool comes from all places, except Wales. Linen yarn comes from Scotland, and very little from the west of England. The dyed goods come from London and Bristol. 1,800 tons of wool are used annually in the yarn spinning. We pay 35s. a ton carriage. It comes by canal. 20,000 tons of coal are consumed in Kidderminster by the manufacturers alone.

330.—Mr. ARTHUR WELLS, a hop merchant at Worcester. The average annual produce for the last 20 years, is 1,400 tons. We send annually about 4,000 pockets to the north, vis London. Hops suffer very much by change of carriage. We are not allowed to re-pack them, if they escape. Our trade in clover seed is about 1,800 tons per annum.

331.—Mr. Lee stated that he lived at Droitwich. 80,000 tons of sait are annually made there. A large quantity of coal is consumed in making it.

332.—Mr. SUTTON, a linendraper at Newark, said, goods coming to him from Manchester, cost in carriage, 50s. per ton, and occupied four days in their passage; from Barnsley the cost of carriage was 40s.; and from Leeds, 50s.

333.—Mr. HARRIS, a worsted spinner and carpet msnufacturer at Stourport, said:—We use a great deal of wool. We get none from the west. The fine wools which we don't consume, we send to Yorkshire. Not having railway communication, I send all my carpets to London, and they are distributed thence throughout the country. Upwards of 500 tons of fruit go from Stourport to the mining districts annually.

334.—Mr. S. LOVELL, coal merchant, of Bedford, examined by Mr. PAGET, stated that his principal supply of coal came from the town of Lynn, where it cost from 28s. to 30s. per ton, to which the carriage of from 8s. to 8s. 6d. per ton was to be added, raising the price, at Bedford, to 36s. or 38s. 6d. He could get Vorkshire coals for 14s. 6d. per ton, if a railroad were constructed. He sold about 3,000 tons a year, and about 16,000 tons more were disposed of by other coal merchants.

335.—Mr. Heath, of Stourport, said:

I was formerly largely engaged in the canal carrying trade.

Upwards of 140,000 tons pass through Stourport by Worcester and Staffordshire canal. 50,000 tons of this is coal.

There is a large quantity of fruit, sometimes as much as 50 tons of damascenes per week; also a large quantity of irommongery, fire-bricks, grain, timber, hay, &c. The canal is very badly supplied with water.

336.—Mr. ROBERT WILLIAMSON, a manual control of the large trade in the second staff of the large trade in the second s

336.—Mr. ROBERT WILLIAMSON, a manufacturer, at Tunstall, and also a proprietor of coal and ironstone mines, spoke of the important iron works of Tunstall and Aircastle, whence 4,000 tons were sent weekly by the four principal firms.

337.—Mr. R. LINDSELL, brewer and bank-

337.—Mr. R. LINDSELL, brewer and banker, of Biggleswade, said the agricultural produce of the district was raised from about 4,000 acres, and would be much increased if they could procure manure, which was their principal want. He believed that a large portion of 6,000 acres of land out of cultivation, for gardening purposes, would be brought into use, if there were any means of supplying that want, and that the produce would be increased from 30,000 tons, to 52,000 tons. The 4,000 acres might be made to produce about 15,000 tons more, so that the total amount would be 67,000 tons.

338.—Mr. J. Craven, of Kilwick, worsted manufacturer, employing 1,900 hands, stated the consumption of coal in the immediate neighbourhood, amounted to 150,000 tons.

339.—Mr. H. HARTOPP, manager of the Bowling ironworks, near Bradford, stated the consumption of Skipton limestone yearly in those and two other works, to be above 33,000 tons.

340.— Mr. JOHN FOX BELL, the secretary of the Midland Railway proved, that on a calculation, 6,240,000 foot passengers had crossed the Midland Railway, in six years, at a level, without an accident.

341.—Mr. PIKE stated that the traffic in copper ore, between Redruth and Truro, was about 41,000 tons per annum.

342.—Mr. T. W. Lukin, manager of the Wildon tin works, near Stourport, said:—We consumes,000 tons of coal per annum, and 3,509 tons of iron. We send about 3,000 tons of manufactured goods to Birmingham. They go by canal. The transit is slow, expensive, and uncertain.

343.—GEORGE PICKERING proved that the quantity of coal sent from the collieries in the Earwash Valley, to Newark, was 38,590 tons; to Lincoln, 3,169 tons; to Boston, Sleaford, and other places, 17,260 tons; and to the various wharfs lying between Shardlow and Gainsborough, 29,243 tons.

344.—Mr. E. SMITH, a market-gardener, at Evesham, said:—There are 600 acres of garden ground, producing 4,500 tons. Our markets are Birmingham and Livernool.

345.—Mr. W. Muir, merchant in Leith, was examined as to the extent and character of the trade at present carried on between Leith and Liverpool. He as present carried on between Letth and Liverpool. He stated the present average passage between those places was from 16 to 17 days; the exports from Leith there, being in the year, about 4,500 tons, and the corresponding imports being 10,000 tons. About 1,000 tons of lead were brought into Edinburgh annually, costing, for freight, from 15s.

346.—Mr. CAYLEY, a corn and coal dealer. and farmer and graster, at Banbury, said:—We send about 85,000 quarters of corn annually to the north. It goes by canal, at a cost of 2s. 6d. per quarter. It is of great importance to have a rapid transit for corn. If we had a railway to Birmingham, I should go once a week; I am now obliged to employ a factor, which takes sixpence per

quarter from my profits.

quarter from my profits.

347.—Mr. R. GREAVES said:—I reside at
Stratford-on-Avon. There is a railway from Stratford to
Moreton-in-the-Marsh. It conveys 15,000 tons of coal
per annum. About 45,000 tons come to Stratford annually from South Staffordshire, at a cost of 6s. 6d. per ton.
About 18,000 are consumed in the town, the rest go on to
Moreton and Evesham. We export agricultural produce
to Birmingham to the amount of more than 16,000 tons;
also lime. Goods coming from Bristol. cost us 30s. per also lime. Goods coming from Bristol, cost us 30s. per ton carriage; from London, 40s.

348.—The produce of the Whitwick collieries, near Lelcester, is 80,000 tons annually.

349.—There are from 14,000 to 15,000 tons of timber imported annually into Penzance, and 250 boats engaged off Penzance, in the pilchard fisheries, which produce about 4,000 tons annually. The copper mines lying west of Penzance, produce about £50,000 per annum; and the tin ore, about the same sum.

350.—Mr. J. B. GEARD, brewer, of Hitchen, consumed 500 quarters of mait, and from 60 to 70 tons of coal yearly; the carriage of coal being chiefly by water, was subject to all the contingencies to which canal conveyance was liable. There were about 5,000, or 6,000, tons of coal consumed annually in Hitchen.

351.—Mr. BARFF, the largest wool-staplerin Wakefield, stated: I do not think that one-fourth of the wool used in England, goes to Huddersfield, as has been stated. From the import tables it appeared that 55,000,000lbs. of wool were imported every year; and supposing that Huddersfield consumed the quarter of that amount, it would be 16,250,000lbs. Deducting from that their fair proportion of the wool imported into Liverpool, which would be in the same ratio of one-quarter, 1,738,900lbs, it would leave them no less than 14,511,100lbs. to come from the east; which proved that the quantity of wool from that quarter, exceeded that conveyed from Liverpool and the west, in the ratio of seven to one.

352.—Mr. BAILEY, a cotton spinner, Staleybridge, deposed that 1-10th of all the cotton manufac-factures in the kingdom was carried on in the neighbouring districts. A considerable quantity of flour was consumed in the course of the year in the service of the soms, which amounted to 23,900 in number. About 240lbs. of flour was used to each loom in the year, as what was called "devil's dust."

353.—Mr. WHITMORE addressed the committee on behalf of the Birmingham Canal Company, the most important canal in the kingdom, which, though only 14 miles in length in its main trunk, from Birmingham to Wolverhampton, yet, with all its branches, is 190 miles in length, with a revenue of from £125,000 to £130,000 per annum; and a carrying trade of between 3,000,000 and 4,000,000 of tons per annum.

354 .- Mr. MICHAEL GRASEBROOK, for 354.—Mr. MICHAEL GRABEBROOK, 10r the last twenty years chairman of the South Staffordshire Ironmasters' Association, and also a glass manufacturer, near Stourbridge, said he had heard Mr. W. Matthew's evidence, and fully corroborated it. 19,800 crates of glass were made annually in the Stourbridge district, of the average value of £152,358, and 5,764 crates about Dudley; two-thirds of this went to London, half the rest to Bristol, and the rest northwest. and the rest northward.

355.—Mr. LEGER, formerly secretary to the Huddersfield Canal Company, was examined to show the extent of traffic existing on the canal. In the year ending March, 1844, the gross amount had been 125,182 ending March, 1844, the gross amount had been 120,102 tons, and for the same period in 1845, 143,849 tons. By the arrangements between the canal and railway companies, the former will receive £180,000, The canal company was not a very good speculation. The market price pany was not a very good speculation. The market price of a share, on which £57 [6s, 6d, had been paid up, was only £10 or £12 about two years ago. The amount of receipts for 1844, was £7,536, and the tounage on all articles was Id. per ton per mile, with the exception of that on coal, which was 2d. per mile, for nine miles, after which it went free.

356 .- Mr. WILLIAM MOXON, maltster, in Pontefract. The quantity of coal and ceke consumed in the borough was about 12,000 tons annually. If a Railway was, carried out, there would be a saving of 4s. per ton on the best sort of coal, and about 2s. on the inferior sort. The yearly saving to the borough would amount to nearly £2,000.

357.—Mr.E.CHITTY, a miller, of Guildford, said :—The only mode of getting his corn from London was by the canal, which was a very inconvenient, as well as a slow and uncertain, process. He sent between \$,000 and slow and uncertain, process. He sent 4,000 sacks of flour to London weekly.

358.—Mr. PATTEN, the collector of customs, stated, that the export trade from the port of Goole, consisted chiefly of British manufactures. The greater The greater part of the goods exported went to Hamburgh and the Netherlands. The import trade consisted principally of sheep's wool, and various kinds of timber, from the colosneep's woot, and various sinds of timber, from the connies. The number of foreign vessels entered inwards in
the port, in 1839, was 131. In the year 1844, the number
was only 44. From the opening of the port of Goole, in
1828, to 1839, the year previous to the opening of the Hull
and Selby line, the average of foreign vessels entered inwards, was 138, and the average of vessels outwards, during the same period, was 119.

359.—Mr. BOYS, manager in the establishment of Messrs. Watson and Co., Manchester, stated that a very large trade (of which he gave full details) existed between Manchester and Norwich; and that 630,000 tons of goods were sent annually from the former town to the eastern parts of Lincoln, Bawtry, &c.

360.-Mr. Ashe, corn-factor, Wakefield, one,—MI. ABILE, CORINARCOF, WARRIERS, deposed that 684,585 quarters of grain came into the market of that town, last year, of which a very great portion was sent from Lincoln and Norfolk. The cost of conveyance from Boston to Wasfeld was at present #158. 5d. per ton. He calculated that the London and Val. Palling would addness that sum to 128. 1044 York Railway would reduce that sum to 13s. 10dd.

ol.—Mr. Nelson stated the various quantities of gas obtained from the different gas coals in Scotland. The Lismahago coal yielded, on an average, 10,500 cubic feet per ton; the Lothian, a similar quantity; the Wilsontown coal, 8,820; the coal from the neighbourhood of Glasgow, 10,000; and that from Borrowstomess, the same amount.

362.-Mr. BARKER, of the Chillington Ironworks, near Wolverhampton, said there is a railway on my property, of three feet gauge, joining the Grand Junction Railway. The minerals are transhipped from Junction Railway. The minerals are transhipped from one waggon to another; there is very little inconvenience or expense in this. During the last nineteen months, I have sent 18,000 tons of iron along the Grand Junction line. The cost of transhipping was under five farthings per ton; two men can tranship 60 tons per diem.

363.-Mr. W. HARDY, bookkeeper of the General Steam Navigation Company at Leith, stated in evidence, that the company had three steamers trading between London and Leith; that their entire traffic for the year, to and from Glasgow and London, amounted to 9,300 tons, and that only 1,200 tons thereof would be conveyed by railway. There was another company trading between Leith and London, with respect to whom, as they employed a similar number of vessels, similar results might be held 364.—Mr. Pease, late M.P. for Durham, deputy-chairman of the Stockton and Darlington Railway Company, and proprietor of the most extensive coal-fields in the district, said he could raise 2,000 tons of coal per diem, and make about 2,000 tons of coke in the week. He believed that the charge of \$\frac{3}{2}\text{.} a ton per mile, would be amply remunerative, except in the case of very short distances, and of separate managements, which could not be brought to unite. He should be glad to sell his coke at 6s. per ton at the pit's mouth, and, transmitting it at the above mentioned rate at a mileage, taken as the crow files, he could deliver it in London for 21s. per ton, whereas it now cost from 28s. to 32s. With respect to coal, he would sellit for the same sum at the pit's mouth, and could deliver it at King's cross, paying the city dues, and defraying the expense of carriage within a circle of 6 miles, for \$2\frac{1}{2}\text{.} 4s. 7\frac{1}{2}\text{.} per ton. The formation of the London and York railway would save an enormous amount of coal which was now destroyed at the pit's mouth, that quantity so wasted in the year 1833-34 being 1,500,000 tons. Small coal might, if this line passed, be carried to London and sold for 8d. or 9d. per cwt. He had calculated the amount of coal consumed per head per annum by the populations of York, Durham, and Northumberland, and found that it was from 1\frac{1}{2}\text{ to 20 sons and upwards, including men, women, and children; whilst in London, with all the demands of steamers, factories, mills, and manufactories, there was only about one ton per head per annum, one-third of the whole amount being required for manufactories, there was only about one ton per head per annum, one-third of the whole amount being required for manufactories, there was only about one ton per head per annum, one-third of the whole amount being required for manufactories, there was only about one ton per head per annum, one-third of the whole amount being required for manufactories, there was only a

365.—Mr. B. Denison, on the London and York, said it was proposed to carry coal at \$\frac{1}{2}\$. per ton per mile, which was a lower rate than he had seen any provision for in the acts of Parliament; and a similar low charge would be made for the carriage of corn, which would be conveyed for \$\frac{1}{2}\$d. He had attended the Railway Department of the Board of Trade, and delivered a communication to Mr. Lanig, on the 19th of February, requesting the insertion of a clause to reduce the charge from 1d. to \$\frac{1}{2}\$d. There was also a provision to be added to the bill for the carriage of manure in return waggons for \$\frac{1}{2}\$d. per ton per mile. The company would also undertake that, when the distance by railroad exceeded by one mile the measured distance on the map between any two places, they would only charge the direct distance, which was called "the crow-fiying principle." He had discussed the clause for first-class passengers with Mr. Lanig, who made use of this expression, "You are entitled to charge \$3d\$. per per mile, as you are a new line."

366.—Mr. Psarson, head clerk in the office of Mr. Anders, shipowner, of Selby, stated that there

366.—Mr. Pearson, head clerk in the office of Mr. Anders, shipowner, of Selby, stated that there was an extensive flour market, of which a large portion was sent thence to Manchester. The house with which he was connected had 18 schooners, of 150 tons burden, trading between London and Selby, which conveyed from 20,000 to 28,000 tons annually to and from those ports, the return traffic for the most part consisting of groceries, &c. There were two other establishments in Selby equally extensive. He was of opinion that the transit from that town to London, which now occupied nearly three days, might be made in one, if a continuous line were constructed.

367.—Mr. W. MATTHEWS.—I am an iron-master residing at Edgebaston, near Birmingham, and carrying on business at King Swynford. I have four blast furnaces, producing 17,000 tons of pig iron annually; also collieries, having a sale of 500 to 1,000 tons per week. The weekly make of iron in the district between Wolverhampton and Dudley, is 11,065 tons. Between Dudley and Stourbridge, the weekly make is 4,775 tons; between Stourbridge and Stourport, the weekly make is 550 tons, There is an error in the report of the Board of Trade respecting the memorials presented from the ironmasters in favour of the respective lines. That report represents the London and Birmingham memorial as signed by 46 firms, and the Great Western by 37, whereas, from an analysis of the two memorials, I find that the Great Western was signed by 61 firms, producing 6,935 tons of iron weekly, and employing 18,270 men; and the London and Birmingham, by 43 firms, producing 4,810 tons weekly, employing 8,640 men.

368.—Mr. John Lister stated that he was a shipowner at Hull. In 1825 there were only a few potato ships left Goole. The town is situate on the Ouse, about eight miles above the point where it joins the Humber. The port was first established in 1828; after the establishment of the docks, the foreign trade was enlarged. The trade was changed for the worse, in consequence of the mployment of steamers at the port of Hull. Since the opening of the Hull and Selby Railway, the foreign trade has disappeared. The coasting trade has increased steadily. The depth of water in the river is from 14 to 17 feet. The vessels engaged in the trade average about 300 tons. The coasting trade consisted of colonial produce from London; grain from the eastern ports, from Norfolk, Lincolnshire, and the agricultral districts. The different produce of the trade is generally forwarded to Wakefield by canal. Some portion, about one-fourth of the grain, went to Leeds. In the year 1889, before the opening of the Hull and Selby Railway, he had consigned to him went to Leeds. In the year 1889, before the opening of the Hull and Selby Railway, he had consigned to him sense of foreign wool, 1,414 tons of fuller's earth, 18,091 casks of herrings, 24,646 sacks of four, 723 sacks of clover and other seed, 28,236 packages of general merchandise. The exports during the same year consisted of 10,933 tons of coal, 9,919 cwt. of cheese, 6,112 bales of Manchester goods, 1,675 bales of woollen goods, 6,699 packages of iron ware, 5,519 packages of general merchandise, 5,056 tons of stone.

369.—Mr. R. Falk stated that he lives in Cheshire, and has three extensive saltworks there; he sends from 50,000 to 100,000 tons of salt annually over the country. He is also engaged in the timber trade, and has large consignments of Baltic timber. Is of opinion that if a means of communication were made from the port of Goole, the greater portion of the timber trade would go there. There are excellent timber ponds at Goole, and some of the Hull timber is sent to them. Sometimes sends salt to Goole by canal; the cost is 12s. or 12s. 6d. per ton. The cost of sending it to Hull from the works, would be 12s. Could send it to Goole by the proposed line 2s. per ton cheaper. The production of salt in this country is about 800,000 tons annually; but Worcester and Cheshire alone are able to produce a million and a half of tons. About 150,000 tons are sent to the Baltic annually. The reduction of 1s. per ton on the carriage of salt, would materially decrease the aggregate price. The cost of rock salt is 3s. 6d. per ton, and of course the saving of 1s. would be a reduction of about 30 per cent. The Manchester and Leeds Company reduced their charges to 1d. per ton per mile, and the Midlands and London and Birmingham followed their example. The Great Western charges 1dd. per ton. In fact, all the lines have a graduated scale of charges in proportion to the quantity sent. They would not take 1d. per ton per mile for so small a quantity as 100 tons.

370.—Mr. GEORGE THOMSON, the collector at the Wakefield station of the Manchester and Leeds Raliway, said a large quantity of corn arrives at Wakefield. It arrives by water from Goole. It is sent to Goole from the eastern coast. The quantities of grain brought from Goole to Wakefield were, in 1841, as much as 809,659 quarters; in 1842, there were 682,956 quarters; in 1842, there were 684,626 quarters. Large quantities of stone also pass by the Wakefield station to London, and other places. The number of vessels employed in the corn trade to Goole is 14,949.

371.—Mr. MARTIN, M.P., interests himself in the fisheries off the coast of Galway, as many of his tenants are employed in them. There is a place called Roundstone, near Galway, off which 500 boats are employed; taking the average earnings of each boat at £35, it would give a total of £17,500. There are many other boats employed off the coast, and their earnings swell the total receipts to £30,000. The major part of the produce of these fisheries would go through Galway. The kinds of fish produced are cod, ling, pollock, and turbot, besides salmon from the rivers. There are also lobser fisheries, and extensive oyster beds.

379.—Mr. LAMES RONDWILL OF NEW DOCK.

372.—Mr. JAMES BOYDELL, a partner with Sir Stephen Glynn and Lord Lyttleton in the Oak Farm Ironworks, consumes 2,000 tons of coal, and 490 tons of ironstone per week.

373.—Mr. BARFF, an extensive woolstapler at Pontefract, is in the habit of receiving quantities of wool from Scotland. This wool is first sent to Hull, and then shipped to Wakefield and Goole. Wools from other parts of the kingdom are often sent through Goole. The cost sending the wool from Hull to Wakefield, is 10s. per ton. 5,000 or 6,000 tons of wool are annually sold in the Wakefield market.

374.—Mr. Lynch stated that the carriage 5/4.—MI. LYNCH Stated that the carriage of merchandise, by canal, from Dublin to Ballinasloe, is 20s. per ton, or 24d. per mile. The land carriage between Ballinasloe and Galway is about 5d. per ton. In the year 1844, the imports to Galway were 17, 182 tons, exclusive of wine, herrings, tobacco, tea, sugar, &c. The exports for the same period were 26,603\$ tons. In the year 1838, the return of the imports and exports made by the Railway Commissioners was,—for imports, 12,000 tons; and for exports, 20,000 tons; showing an increase of 50 per cent. on one, and 30 per cent. on the other. In the county of Galway there are 200 fairs held annually; they are principally cattle fairs, and therefore would be much benefitted by a railway. There are 300 boats employed off Galway in the fishing trade, and the individual value of each boat varies from #50 to #100. There are great numbers of smaller boats employed in the same manner. The carriage of fish, per mail, from Galway to Dublin, was £18 13s. 4d. per ton

375.-Mr. F. Nunn, farmer and butcher, at Bury. Has often known Bury market attended by 500 and 600 beasts, and from 10,000 to 12,000 sheep. Sends nearly the whole of his malt to Thetford. Bishop Stortford is a very large malting-place. The proportion of fat sheep to lean in Bury market, is not 100 in 5,000.

376.—The REV. JOHN D'ARCY, vicar of the parish of St. Nicholas, in the county of Galway, proved that there had been new docks formed in Galway. They tinat there had been new docks formed in Galway. They formed an area of five acres, and could accommodate vessels of 500 tons. The first year of their opening (1831,) the receipts were £350; in 1832, they produced £700; in 1833, they produced £1,200; and so continued until the year 1836, when the receipts again began to increase, and last year the receipts amounted to more than £1,600.

377.—Mr. Thomas Langdon, an extensive cotton spinner, residing at Wigan, stated that the present cost of sending goods thence to Liverpool, was as. 9d. per ton, inclusive of cartage. There was much os. St. per wa, incustre or categories and the machinery made at Bolton, but none at Wigan, and the roads between those points were extremely hilly. Witness was in the habit of using carts in the conveyance of his goods from one to the other place, of which the cost

amounted to 6s. 8d. per ton.

378.—A witness named ATKINSON, stated that about 17,000 vessels entered and left the port of Newcastle-upon-Tyne yearly; that it was the second port in the kingdom; that there was wanted greatly a railway communication from Newcastle along the projected line; that it would afford great facility for bringing the agricultural produce to Newcastle; the quantity of wheat was estimated at 80,000 quarters a year, of flour, 20,000 sacks; that many goods also passed through the town.

379.-Mr. GORDON, a writer of long standing in Dumfries, said the average yearly import trade he estimated at 7,804 tons, and the export trade at 3,870 tons. Last year 21,800 head of cattle were exposed for sale in, and 9,845 head passed through, the town, besides an equal number which crossed the river some distance above the town. The pig market in Dumfries was very important, nearly 1,500 of them having been exposed in the slaughter market from October to April of last year.

380.—Mr. WRIGHT, the coal manager for the Duke of Buccleuch, said he had examined the coal field in the Midlothian district, and it would yield about 80,000 tons; 80,000 tons were sent to Edinburgh by rail-road. Some coal fields contained 50,000,000 of tons, others 40,000,000, others a smaller amount. The Duke of Buccleuch, and the Marquis of Lothian, were the principal proprietors.

381 .- Mr. CARR said, between Bradford and Low-Moor, the expected traffic was 116,919 tons.; from Low-Moor to Bradford, the actual traffic is 709,361 tons.

382.—Mr. Roberts, a manufacturer at Galashiels, said the principal manufacture was plaids and The trade had been carried on in tartans from woollen. a small manner about 100 years. In 1830, the trade w much increased; the water was not sufficient for the works; and if coal could be procured at a cheaper rate, steam would be used to a great extent. At present the steam would be used to a great extent. At present the demand was greater than could be supplied. They con-sumed about 500 tons of foreign wool yearly. The expense of carriage was now very great in every article. From Edinburgh to Galashiels the carriage was about 20d. a ton.

383.—Mr. COTTAM was asked these questions: What is the existing amount of traffic between the two places, Low-Moor to Bradford, and Bradford to Low-Moor? Witness: Soth ways the amount of traffic would be 189,466 tons. From Bradford to Low-Moor it is 70,281 tons, and from Low-Moor to Bradford, it is 69,175 tons.

384.—Mr. WRIGLEY, mineral surveyor, of Manchester, said the railway known as the Runcorn Gap Manchester, said the railway known as the Runcorn Gap Railway was constructed in 1833, at an expense of \$205,000. In a period of four years, the traffic upon the line yielded £46,716, whilst the expenses had amounted to £32,404. Then the company had to pay as interest on bonds, the sum of £14,000, thus leaving a baiance in favour of the company of little more than £300. There had, since the original formation of the railway, been a loss of £2,043 sustained. On behalf of the Canal Company, it was stated that since the formation of the railway, the receipts of the canal had very materially been diminished. The dividend had formerly been as much as 9 per cent, whereas of late it had not been more than 54: diminished. The dividend had formerly been as much as 9 per cent, whereas of late it had not been more than \$\frac{5}{2}; the whole of the depreciation having arisen from the withdrawal of much of the traffic from the canal, by the facilities afforded by the railway, and the consequent reduction of tolls.

385.—Mr. James Buckland stated that the traffic between Newport and Cardiff, and Cardiff and Gloucester, was very considerable. The valley of Neath abounded in minerals, and there was a canal extending up the Vale of Neath. A large interchange of produce existed throughout South Wales, amounting to 500,000 tons annually. The quantity of tin plates manufactured last year, amounted to near 28,000 tons, being in value about £800,000; besides which there was a considerable trade in block tin, spelter, and copper ore. The value of the iron produced in the vicinity of the line amounted, last year, to £4,500,000. These were the calculations of 1844, this year they would be much increased. The total value of the mineral produce alone, amounted, last year, to £10,000,000 sterling. 385.—Mr. James Buckland stated that

386.—CAPTAIN LAWS, R.N., on the Wakefield, Pontefract, and Goole Railway, said, the shipping accommodation at Hull was very insufficient for its trade, and it at trade was daily augmenting. The docks trade, and it at trade was daily augmenting. The docks were not of a size to a afford room for large steamers. The Manchester and Leeds Company were not general carriers, but Pickford and Co., Thompson and Co., and other carriers, had warehouses at the principal stations. Some of these carriers paid last year, the sum of £30,000 for the carriage of their goods. Manufacturers can now get raw materials at Liverpool, as cheap as if they imported them themselves. It often happened that foreign goods imported to Liverpool, were sent from Manchesters to Historical was sent from Manchesters to the contract of the composition of the contract of the contr ported to Liverpool, were sent from Manchester to Hull for re-exportation coastwise, as being cheaper than direct shipping to Liverpool. The goods so sent last year exceeded 2,000 tons. The present charge from Manchester to Hull, is 15s. 6d., for passing over three railways. They went 51 miles over the Manchester and Leeds line, at a cost of 8s. 8d.; the York and North Midland and Leeds and Selby, 16 miles, at a cost of 8s. 34d.; and 31 miles over the Hull and Selby, at 3s. 6\(\frac{1}{2}\)d. On the proposed line, the charge would be 12s.; and that price would afford a larger profit than the larger sum to Hull. The rate of mileage would be the same as on the Manchester and Leeds. would be the same as on the Manchester and Leeds. There was a rising traffic in sait from Cheshire, between Manchester and Hull. The present cost of carriage is 8s. per ton. On the proposed line, it could be carried at a cost of 6s. The charge of conveying soft goods from Manchester to London, through Hull, by rail and steamer, was 40s. per ton. On the proposed line, that cost could be reduced to 37s. per ton.

-Captain Laws, the manager of the traffic on the Manchester and Leeds railway, said the passengers, on that line, were chiefly third-rate passengers. The local traffic, or short-distanced traffic, of Oldham, and Middleton, and other places, was of far greater value to the railroad companies, than the more distant traffic. It was quite usual now for one man to carry the work of three or four other men, since the trains had been so cheap; whereas, before the railways existed, those very men used all to go, each with his pack, to the master-manufacturer. At the present moment, there was such a store of corn and flour at Manchester, as would keep an army of 100,000 men for twelve months! At one corn mill on the Manchester line, there was an amazing quantity ground. It was of the greatest importance that there should be at the large stations, plenty of warehouser. The warehousing of flour was a new system. At Manchester there were not fewer than 80,000 sacks of flour. The warehouse room for flour was about five acres. In Yorkshire there was a great want of warehouse accommodation. As railway traffic increased, it was necessary to increase the extent of the station. He considered that an elevated station was rather beneficial, than otherwise. Passengers did not like to go up steps. It was of no consequence to them, generally speaking, if they could get out and go into the carriage at once, even at a considerable elevation.

388.—Mr. John Walker, a surveyor and mining engineer, stated that there were 91 coal pits in the district around Wakefield. Upwards of 5,000 tons of coal were raised daily, but double that quantity could be raised. The pits belonging to the Earl of Scarberough would raise 100,000 tons per annum for 50 years.

389.—Mr. John Rimmell, foreman to the largest cotton carrier in Liverpool, stated that it took an hour and a half to cart cotton from the north dock to the railway terminus. Most cotton was sent to Bolton and Bury. A delay of 24 hours often occurred at the former station. Cotton is sometimes kept at the depot for one, two, or three days, instead of being forwarded. A good deal of delay also takes place at the canal depots.

390 .- Mr. PETER NAIRNE, a bookkeeper and accountant of the Liverpool and Manchester Ballway Company, proved the actual cost of carrying 23,000 tons on that railway was, exclusive of toil, power, and waggons, 2s. 8d. per ton, and that this included porterage, salaries, aheets, ropes, and other small disbursements.

391.—Mr. JOHN GLOVER, a clerk to an attorney at Bolton, read from a table the statistics of that town, as regarded the population, the number of mills there, the horse-power that worked them, the quantity of coal required for such working, and that 18,000,000th of cotton was worked up there.

392.—Mr. T. ENGLAND, corn-factor, of Leeds, said the aggregate of grain, &c., received into the market of that town, amounted to 600,000 quarters annually, which for the most part came from Lincoln, and the

ern counties.

393.—Mr. Sanders, secretary to the Bristol and Birmingham Railway, stated that in the year 1844, 78,372 passengers were carried by omnibuses from Spetchley station to Worcester, at a cost of #2,698.

394.—Mr. FARDON stated that he was the manager of the alkali and sait works at Stoke Prior. Thought that about 75,000 tons of sait were made at the Worcestershire works in a year. Coarse salt, used for agricultural purposes, was sold at about 7s. a ton. The better salt was 12s. One farmer, in the neighbourhood of Wolverhampton, had upwards of 100 tons last year. Salt was used upon light soils.

395.—Mr. FLETCHER stated that about 25,000 tons of stone were annually sent from the quarries, near Leeds, and went through Goole. Most of the docks in London, and many bridges, were constructed of that stone. About 50,000 tons of merchandise were annually sent from London to Leeds and its vicinity, through Goole. Was under a contract to ship 700 tons of coal weekly at Goole. That contract was to last for two years certain.

396.—Mr. ACKROYD, worsted spinner, at Otleigh, said about 30,000 tons of coal were used in Otleigh and neighbouring villages. The price was now about 12s. 6d. per ton, and he expected a railway would reduce that sum to 7s. per ton.

397.—Mr. Stansfield, of Leeds, exports from 300 to 400 tons of goods annually from Hull. The shipment of his goods at Goole would be a saving of expense with regard to the carriage to that place. The freights from the two ports would be the same. 398.—Mr. R. Broad, Mayor of Falmouth,

said the carriage of goods from Falmouth to Redruth and Truro, is 1s. per ton per mile. The conveyance is also very uncertain. The foreign fruit imported, varies from 800 to 500 tons annually. There were in the year 1842, as many as 822 vessels, calling for orders at Falmouth. That was in consequence of the scarcity of corn in England. In 1848 there were 405 vessels calling for orders; in 1844, An 1820 there were 400 vessels caning for orders; in 1844, there were 572, and up to the 10th inst. of the present year, there have been 275 vessels. This does not include the Indian vessels, or those which put into the port without calling for orders. The carriage of a pipe of wine to Exeter from Falmouth, costs 422. The harbour dues at Falmouth, on foreign vessels, are 2s. 6d., and 2s. on

coasting vessels.

399.—Mr. BARFF, wool dealer, of Wakeoss,—Mr. DARFF, wool cleater, or wake-field, stated that the greater portion of the 23,000 packs of wool which were used by his house, was carried from Lincoln, at a cost of 27s. per ton. There were about 100,000 bags of foreign wool, (of the average weight of 3 cwt. each), of which about 60,000 bags were sent to Yorkshire. The land carriage from Wakefield to London came to 55s. per ton; the freight by sea, to 30s.; but recently, the land carriers had reduced their rates from 2s. 9d. per ton, to 1s. 10d., being subjected to the pressure from without, which lowered the cost to 56s. 8d. More than half the corn and cattle of Lincoln went to Wakefield.

400 .- Mr. BUCKLAND stated that during the last year, 220,000 tons of iron, and 600,000 tons of coal, were exported from Newport; and from Merthyr to Cardiff, no less than 180,000 tons of iron annually, and Cardiff, no less than 180,000 tons of iron annually, and that this trade was increasing dally. From Newport and Cardiff, ores were exported in considerable quantities, and from the latter place there was a large export trade to Ireland. From Bristol and Gloucester there were exported to Cardiff, in the year ending June, 1844, 80,000 tons; and from Cardiff, to other ports, 10,000 tons, which did not include coals. The total quantity of iron produced during the year in the districts, was from 480,000 to 500,000 tons, which, at the low average of 1844, was \$42,500,000 in value. The tin plates produced in that part only of the district, through which the South Wales rail-way would pass, was between 27,000 and 28,000 tons. over only of the district, through which the South Wales railway would pass, was between 27,000 and 28,000 tons, over #800,000 in value. There were 87,720 tons of copper ore imported into the country last year, of which 43,724 tons were smelted at Swansea, the total value of which was about #2,000,000. The whole metallic manufacture of the district amounted in value, in one year, to between \$49,000,000 and \$210,000,000, while there were large quantities of timber and charcoal produced in Herefordshire.

401 -Mr. LAWRIE, a farmer, residing in the neighbourhood of Dumfries, said, cattle, to the number of 20,000 yearly, worth about £12 a head, were sent from Dumfries and its vicinity, he said, to be fattened in

England, chiefly in Norfolk.

402.—Mr. PAUL MATTHEWS, a brick manufacturer, at Stourbridge, worked up 30,000 tons of

clay annually.

403.—Mr. ROBERT FALK said he had saltworks in Cheshire, and had sent away from 60,000 to 80,000 tons of rock salt per annum. He was, with his partners, a large dealer in foreign timber, chiefly from the Baltic. A great portion of the timber trade would go to Goole, provided the railway was completed. Vessels were often detained at Hull some days, when they might reach Goole. The objection to Liverpool having the Baltic trade, was on account of the long voyages, and the large insurance required. If salt from Cheshire were sent to Goole to be shipped for the Baltic, it would be a great advantage to himself, and the dealers in salt in Cheshire.

404.-Mr. JOHN LIDDELOW, sheep salesman at Coiney, said the average number of sheep attending the Norwich market in 1839, was about 6,000 per week; neat cattle, 800; and pigs, 400 per week. The market has increased since 1839.

405 .- Mr. W. BERRY, a flour-mill owner, at Kilbegran, stated that there were several mills in that district. They manufactured about 100,000 barrels of flour and meal annually. The weight of that manufacture might be taken at 20,000 tons.

406.—Mr. WATSON, an extensive grazier in Strathmore, expressed his conviction that if a railway was carried out, it would prove of wonderful benefit to himself, and to all persons in his district. He sent on an average about 200 head of cattle per week to Glasgow and Aberdeen. In 100 miles' journey, a fat beast would lose, in value, at least 20s. The beasts, at present, walked about 20 miles a day.
407.—Mr. Thorny croft, an ironmaster of

Wolverhampton, gave, in the Staffordshire dialect, an account of a canal tunnel, which was a disgrace to the country, the boatman having "to scrat hisself" through with his legs. That mode of propelling the vessel along the tunnel was termed "legging."

408.—Mr. JOSEPH PEASE, (late M.P. for Durham,) an extensive coal owner, and interested in the Adelaide, St. Helens, and the South Durham collieries, is in the habit of raising about 2,000 tons per diem, but that quantity can be much increased. The coals from all those pits, with a few fractional differences in quality, are all called first-class house-keepers' coals.

409.-Mr. C. B. MILLOR, an extensive timber and iron merchant, at Aberdeen, said the amount timber and from merchant, at Aberdeen, said the amount of shipping was 114 in number, representing tonnage of 14,000. Of these vessels, one-half are engaged in the foreign trade; the other half are engaged in the home and coast trade—to London and Glasgow, and other parts, not abroad. The vessels were smacks of about 100 tons each. The trade of the town was mainly in flax, hemp, corn, timber, and iron, a portion of which they experted by way of Montrose; but much of the trade was to London ny way or montroue; nut much or the trade was to London for sale and exportation. Then they received a large quantity of coals, lime, herrings, and general goods, from the coast communication. The quantity of corn exported was between 30,000 and 40,000 quarters annually. Then they exported from 1,000 to 1,200 heads of cattle, 1,500 heads of c sheep, and a large quantity of fish, about 20,000 barrels of herrings, haddock, and 4,000 boxes of salmon every year were sent to London, as well as to Leith, Glasgow, and other places.

410.-Mr. Jonathan Fardon, manager of the British Alirali Works, at Stoke, near Worcester, has been intimately acquainted with the salt trade of Worcestershire for the last twenty years. It has increased five-fold. We have capabilities for doubling our make of sait. It has been much used for agricultural purposes of late years. It is used for light soils in our own county. There is a great extent of light soils in the country traversed by the Great Western line, in Wilts, Berks, and Hants. We have had many applications from farmers in those countles, but we have never sent any sait, as a sufthose counties, but we have never sent any salt, as a sufficient number would not join to take a ship-load. About 5 cwt. is the annual quantity used per acre. I have no doubt we should sell 100,000 tons, if we had a railway into those counties. We should also do a large trade in soap. We use 26,000 tons of coal per annum, which usually comes from the Staffordshire coal-fields by canal. We are now obliged to use Delbyshire coal, in consequence of the wrate of wrater in the canal. This comes by railwand the want of water in the canal. This comes by railroad, a distance of 80 miles, whilst the Staffordshire collieries are only twenty miles distant. Our goods are invariably transhipped at Birmingham.

-Mr. SAMUEL COTTAM, the auditor of accounts to the Leeds and Manchester Railway, stated of accounts to the Leeds and manchester Kallway, stated the quantity of the traffic at present existing between Liverpool and Wigas, the produce of which, in money, amounted to £95,119 per year, of which £26,031 was obtainable from the carriage of passengers; £884 from cattle; £65,933 from minerals and coal and goods; and £25,000 from sundries.

412.—Mr. WILSON, a magistrate of Glasgow, and a commissioner of the Clyde Navigation, said there was only one railway, except the Pollock and the Govan, in that part of the district. There was a whole field—a virgin field—of minerals between Glasgow and Hamilton. By the Monkland Canal and Garukirk Rail-Hamilton. By the Monkland Canal and Garukirk Rail-way, 600,000 tons of coal were annually imported into Glasgow. The quantity exported from Glasgow to America, the West Indies, and other places, amounted to 170,000 tons last year. Two years back, 200,000 tons were exported.

413.-Mr. STEWART, a coal and iron master, residing at Glasgow, and a member of the town council, said he was a proprietor of the Cleland Coal and Iron Works, near that city. Expected when his new blast furnaces were completed, he should make 60,000 tons a year. The expense of cartage to the Broomielaw, was 3s. 9d. per ton. Coal from the works cost 3s. a ton in cartage to the same place. The population of Glasgow increased from 10,000 to 12,000 annually. The Ayrshire coal was inferior to the coal obtained near Glasgow.

414.-Mr. GORDON said he had lived at Dumfries for 80 years; said 9,845 head of cattle passed through Dumfries for the southern markets last year. About 20,000 lean cattle were sold in the market; 14,089 pigs were slaughtered there last year: they averaged about 13 stone each. They were mostly exported, after being cured at Annan.

415.—Mr. ALEXANDER HECTOR stated that he was a fisher, and the proprietor of fisheries along the east coast of Ireland, and the east and west coasts of Scotland. He raided at Aberdeen. He puid a rental for various fisheries to the annual amount of £2,000. The quantity of fish sent to London from this part was 425 tons of samon, 3,130 tons of haddock, £7,624 tons of herrings, 63 tons of dried herrings, 440 tons of crabs and lobsters, 318 tons of pickled cod, 170 tons of dried cod, and 300 tons of perri winkles. There were as many tons as that he had named of perrifyinkles sent from Scotland; that for each match. winkles in the ware as it from Scotland; that for six months in the year there were not fewer than 200 tons of perriwinkles received in London. They averaged in price, winking received in London. They averaged in price, generally, £5 or £6 per ton, but sometimes they were as much as £6. Those that he sent up from Aberdeen were from that coast. The cost of land carriage for the fish to Aberdeen was as much as 12s. per ton. Hitherto fish, as is well known, has been forwarded to London, and from London it has been sent into the different districts in the country. Of course, the expense of the double carriage has fallen on the consumers. The amount of fish which was cured in the year 1841, in Scotland, was no less than 667.2484 barrels.

416.—Mr. J. CRAWFORD, a Justice of the Peace for the county of Longford, and agent for Lord Westmeath, stated, from the 1st of May, 1844, to the 1st of May, 1845, there were sold at Longford, 184 barrels of bread, 1,140 barrels of barley, 155 barrels of rye, 1,863 barrels of wheat, and 103,698 barrels of oats, and 120 tons of hay, besides small quantities of other produce. What is called in Longford a barrel, is equivalent to about 20 stone in English weight. It is, however, much less in some sort of goods. The barrel of bear is 16 stone; the some sort of goods. The barrel of bear is 16 stone; the barrel of barley, 16 stone; while the barrel of wheat weights 20 stone. The we ght varies from 14 to 20 stone. There were also sold in the market of Longford, during the time mentioned, 13,335 pigs, 7,553 casks of butter, and 73,498 sacks of oats and meal. The soil of Longford is very good for agricultural purposes, but the soil of the neighbouring county of Roscommon, is much better. The present carriage, by canal, from Dublin to Longford, is 14s. per ton.

417.-Mr. SHEPPARD stated that the quantity of corn that arrived, and was sold at Wakefield, was much on the increase. He did not consider that quantity of corn that arriver, and was some at waterners, was much on the increase. He did not consider that Wakefield was at all benefited by railways, as people came to sell their goods in the morning, and left in the afternoon without spending any money. Under the old plan, a good deal of money was spent in Wakefield. The value of the manabours was spent in Wakefield. warehouse property at Wakefield, was £200,000, and could contain 300,000 quarters of grain. The warehouses at Goole could afford room for 50,000 quarters of grain.

SALT EXPORTED FROM LIVERPOOL

Referring to the Tables, page 40, copied from the Evidence given by BRAITHWAITE POOLE, Esq., F.S.S., before the Liverpool Dock Committee, last year, the following quantities have also been computed by him for the last twelve years, showing an average of 327,310 tons exported per annum.

IN THE YEARS	TONS.	PARTICULARS OF LAST YEAR'S EXPORTATION.	TONS.
1833 1834	170,400 162,265	To the Baltic—Denmark, Norway, Sweden, Russia, Prussia, Hamburg, Lubec, Bremen, &c	90,083
1835	252.877	To Holland and Belgium	43,622
1886	232,626	To the United States	92,371
1837	271,585	l'To Canada.	86,941
1838	390,839	To Africa, and other foreign parts of the world	16,665
1839	878,454	To England, Ireland, Scotland, Isles of Jersey, Guernsey,	149,499
1840	431,705	and Man	149,499
1841	860,813]	
1842	884,231	ll i	429,181
1843	462,840	N I	
1844	429,131	"	

Table of the quantity of Earthenware and China conveyed from the Staffordshire Potteries, during the Year 1844. Computed by Braithwaite Poole, Esq., F.S.S.

TO	CONVEYANCE.	PACKAGES.	TONS.
Ditto Manchester Ditto	By 56 boats, performing 87½ voyages per week By railway from Whitmore By 6 boats, performing 5½ voyages per week. By railway from Whitmore. By railway, turnpike road, and boat	2,190 11,052 346 1,872	51,870 780 3,500 100 1,000
Ditto	By 18 boats, performing 18 voyages per week By railway, including Birmingham and the West of England By 10 boats, performing 10½ voyages per week	5,360	10,670 1,840 6,000 18,010
		238,252	75,210

Formerly the average number of Crates contained in a boat was 40, and weight 10 tons; but Earthenware is now, packed much closer, and the packages are consequently heavier. They are also made fully larger, so that the present average number in a boat is 36, and weight 11 tons, 8 cwt.

* Some Earthenware is now carried in the boats loose, but if packed in Crates, the total would average 33,696 yearly, as above stated.

EARTHENWARE.

On the 13th of May, 1843, the Anderton Carrying Company issued the following Circular, which the Potters afterwards compelled them to relinquish, and revert to the old system of charging:—

"As many shippers of Earthenware are greatly dissatisfied with the present mode of charging the Inland Freight on this article, (neither actual measure nor weight being supplied,) the Company beg to announce, that on and after the 24th instant, it is their intention to charge freight on all packages of China and Earthenware, according to THE TON OF 40 CUBIC FRET, CALLIFER MEASURE, thus enabling Exporters, from their ship's measurement, or cargo-books, to test

40 CURIC FEET, CALLIFER MEASURE, thus enabling Exporters, from their snip's measurement, or cargo-books, to test the accuracy of the charge.

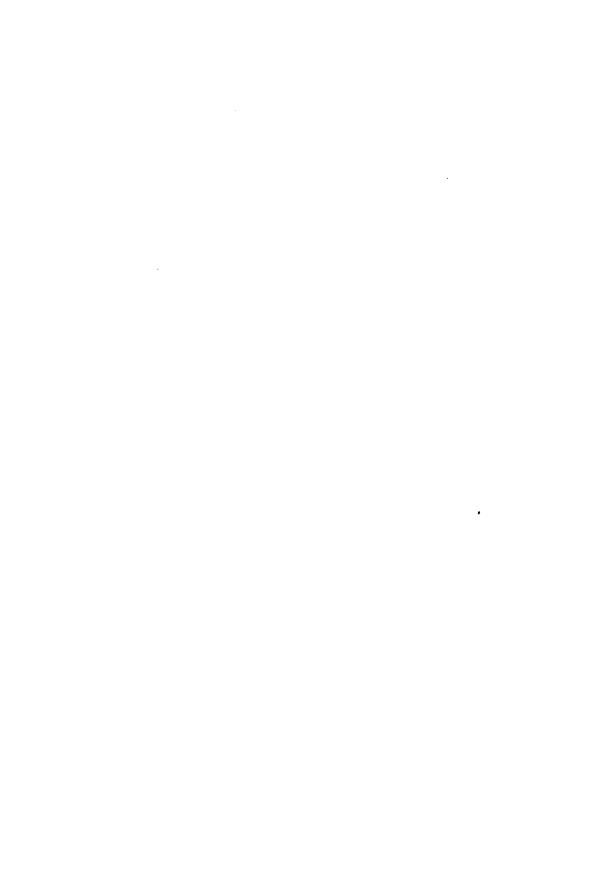
"Hitherto, freight on Earthenware from the Staffordshire Potterles to Liverpool, has been charged, not on the real size of the package, but according to an arbitary rule, indicated by the number of "bars" in each crate,—tierces and hogsheads being usually called 50 and 60 feet respectively, although averaging perhaps only 35 and 45 feet.

"The Company's charges, therefore, on and after the 24th instant, will be

"For Casks of all sizes	50,,,,,
,, ,, between 30 and 40 feet 4	
,, ,, upwards of 40 feet 4	
"The following table will convey a pretty accurate comparison b	etween the old and the now proposed system of
charge:— Average measurement. By present sy	stem. By proposed system.
S. D.	
"Tierces now called 50 feet 85 feet 4 5 eac	
Hhds. , 60 , 45 , 5 8 ,,	,, ',, = 5 7 }
Crates between 5 and 10 feet 72 ,, 1 3 ,,	, , , 0 111
" 10 and 15 " 12½ " 1 10 "	,, ,, -1 62
", 15 and 20 ", $17\frac{1}{2}$ ", 2 4 ",	
" 20 and 30 " 25 " 3 4 "	
, 30 and 40 ,, 35 ,, 3 10 ,,	
,, 40 and 50 ,, 45 ,, 4 5 ,,	at 4 0 ,, -4 6
" 50 and 60 " 55 " 5 8 "	" " – 5 6
" 60 and 70 " 65 " 6 10 "	, ,, ,, -66
00.7	
89 /	38 8

"The rates of freight on Clay, &c., from Liverpool to the Potteries, remain as before, viz :-

₽ Ton of 2,400tb."



INDEX.

																		No.	P	age.
Aberdeen, amount of					• •	••	• •	••	• •		••	• •	• •	• •	••		٠.	409		106
Accidents, and loss of Adelaide, St. Helens	or lire, in ste	Durba	seis	orios		aht o	e co	ole r	alear	i ner	day	••	••	••	• •	••	••	282 408		89 106
Agricultural produce	weight to	and fro	m Irel	and	, 40.16	,			auser	. pei		••	••	••	••	••	••	58		79
Aliquot parts, table	of				• •						••	••	••		••					83
Ancholme Navigation	n, traffic by	land ar	id wat	er	••	• •							• •				٠.			60
, ,,, , ,,,	tonnage d	lues in	1844	· . · ·	···	٠٠.		:-	::	• •	•:-	_ • •	• •	::.	٠٠.	••	••	_	••	60
Anderton Carrying C																	•••	5	••	77
" Liverpool and	the Stafford	mber of dahire I	Potteri	ges, w es in	eign 1842	i, ire	ıgnı	, and					iorw	arae	a be	twee	n }	6		77
Anderton Canal Com										nwai			š	•	٠	• •	٠,			107
Aqueduct on the Elle	esmere and	Chester	canal		•••	•••		•••					• • •		::		::	194	::	87
Aqueduct on the Elle Arithmetical abrevia	tions		,		••						••	••	••	••	••					42
Average rates charge	ed by carrier	a for So	oas, e	tc.	••	••	••	٠	••	••	••	••	••	••	••	••	••		••	66
Avoirdupois weight		• ••		•••	••	••	••	••	••	••	••	••	••	••	••	••	••		••	23
Balk, for calculating	the weight	of																		24
Bambury, corn, &c.,	sent from .		••		••	••	••	••	••	••	••	• •	••	••	••	••	••	246	••	102
Bar iron, prices in s	uccessive ve	ars			•••			::	•••	::	::	•••	::	•••	::	::	••	•	••	68
Bar iron, prices in su Barge experiment on	the river T	hames	in 180	1		••	••	••	••	••								10		77
Bedford, consumption	on and price	of coal	8		••.	••	• •	••	::			• •	••	••	••		••	834	••	101
Beer, number of bar	rels brewed	in Gree	t Brit	ain in	eacl	ı yea	r, fr	om .	1817	to 18	328	••	••	••	••	••	••		••	73
Biggleswade, agricul	tural produc	ce or,	••	• • •	••				••	••	••	••	••	• •	••	••	••	887	••	101
Birmingham canal, le Birmingham and Glo						or el	· ·			194	,	• •	••	••	••	••	••	353	••	102 50
•))	,, g	oods t	affic	in 18	41		· · ·			• • •	••	••	••	••	••	••		• •	51
"	**	" či	arriage	of co	al to	Che	lten	ham	. per	anı	um		::	••	•••	::	::	187	::	87
,,	,,	,, fi	re amo	ng th	ie go	ods i	n 18	42			• •	••	••	••	•••		••	276		94
Birmingham canal n	avigation, to	nnage	receip	is, fro	un le	318 t	o 18	28 _		. • • .		••	••	••	••	••	••	315	••	81
Birmingham and Bri												••	••	••	••	••	••		••	101
Bolton, population,												••	••	••	••	••	••	391		105
Bones imported for a Bonding warehouses	when estal	hlished.	&c i	n Liv	ernor	ı	••	••	••	••	••	••	••	••	••	••	••	57 128	••	79 82
Bradford and Low-m	oor, their e	xpected	l and a	ctual	traf	lic .	••		· · ·		·••	••		••	••	1	8i.		••	104
Bricks and tiles mad	le in Great I	Britain	in 1832	3	•••	•••	••	•••	•••	•••	•	•••	٠	•••	• • •	٠	~,	225	::	89
Bridges, length of					••	••	••		••		••			••					••	85
Bridges, number of a	shares, amou	unt eacl	ı, capi	tal pa	id ų	e, di	rideı	id, 8	kc.	••	••	٠:	<u></u>	••	:•	٠٠.	••		• •	37
Bridgewater Canal, g	oods carried	betwee	n Live	Lboor	and .	Man	ches	ter,	exclu	ratve	of or	e, by	Tru	istee	s' ve	asela	٠,			69
from 1815 to 1	024		the T	 mietoi	 	esole	· i-	the e		77001		••	••	••	••	••	,			69
" I	Leigh Branc	h. web	ght of	200	da ca	rried	bei	wee	n Li	Vern	ool 1	and :	Man	ches	ter.	fron	n ``		••	
1821 to 1824																	}		••	69
,, n	ames of car	rriers, w	rhen tl	ey co	mme	ncec	l, an	d nı	ımbe	er of	V088	els e	mpk	yed	by e	ach.			• •	69
,, L	iverpool to	Manch	ester, i	ncrea	sed v	veigl	at of	goo	ds co	mve	yed o	m, fr	eigh	t an	d to	nnag	eλ			73
in the first qua	erter of 1824	, comp	ared w	ith th	at of	1920	· .	i.;	•	·**	• •		• •	• •	٠	:. ··	. ,	380	••	
Bristol and Exeter R	allway, tolli	age on a	goods s	una p	asser	igeri	to t	ne (#real	: We	steri	ı Coı	mpa	ny, u	0 18	44.	••	176	••	96
Bristol, Leicester, De British Mining Comp	erby, and iv	her of a													••	• •	••	244		101 0 46
British mines, annua							p.	···				•••		•••	••	••	::			46
British mines produc	ce, export in	1841					••		••	••	••	••	••	••	••				••	58
British hardware and	l cutlery, qu	untity a	and val	lue er	port	ed fr	om (Grea	t Bri	itain	, eso	h yes	ar, fi	om i	1825	to l	881		٠.	72
British iron, &c., que	antity expor	rted from	m Grei	t Bri	tain	in 18	330 a	ind 1	1831	••	••	••	••	••	••	••	••		••	78
Bury St. Edmunds, a Butter, cheese, and e	number of c	attle &	c. atter	anng	mar	Ket • N.				. ;;	٠.,	·	٠: .	1001	••	••	••	3/5	••	104
Dutter, cheese, and e	skka, umbore	eu mw	Donac	ni iro	шш	6 146	шеі	IMIL	18, 11	1 102	9, 10	ωυ, ε	mu .	1001,	• •	• •	••		••	67
Calculation Tables, f	rom ls. to l	10s. per	r ton																5 to	21
Calculation of tolls, f				r mile	e, fro	m l	to 2	00 m	iles			•••	••	••	•••	••	••			22
Caledonian canal, len	igth, width,	depth,	numb	er of :	locks	, &c	• • •	••	••		••			••				27		78
,, ,, am	nount of ton	nage-ra	tes, &	:., le <u>v</u>	ied o	n ve	ssel	s na	vigat	ing	••	••	••	••	• • •	••	••	169	••	85
	mber of ves					0 18	37	••	••	••	••	••	••	••	••	••	••	147	••	88
Canals in Scotland, a Canals, in 1842, num	bor of abore	ey	ant and	. · ·	nital	4	idon.	٠ <u>٠</u>		•••	8.0	••	••	••	••	• •	••		••	35 38
Canals and railroads,	comparativ	re cost c	nt cad	a and	pital	eno.	ora	u pe	t. 9777	ıuıı,	, acc.	••	••	••	••	••	••		••	62
Canal conveyance of											38)	•••	•••	••		••	::		••	72
Canals and navigable											••	••		••	••	••	••	74.	75.	, 76
Canal shares in 1792					••	• •	••					••		••				9	••	77
Canals, length in En	gland, Irela	nd, and	Scotla	ınd	••		••	••	••	••	••	••	••	•••	••		••	87	••	80

	1	No.	Page.
Canals between London and Birmingham, length, number of locks, tunnels, &c	••	88 .	. 89
Canal and land carriage in 1792, difference of prices			. 70
Canal, length in the United Kingdom, since 1800		28 .	. 78
Canals, number, &c., in the United Kingdom		30 .	. 78
Canal and river navigation, length in 1838	••	81 .	. 78
Canal traffic upon the Grand and Royal, and the Barrow Navigation, from 1821 to 1823, as compared with	ib.γ.,	105 .	. 81
that from 1831 to 1833	,		
Canals, expense of constructing	108, 1	109	. 81
Canal, Trent and Mersey, length, aqueducts, locks, tunnels, &c	1	116	. 81
Canals, Leeds and Liverpool, and Leigh Branch, debts in 1825, with original cost, amount of repairs			
in 1821, 1822, 1823, and 1824, purchase of land, &c. also, amount of merchandize from Liver- } 1:	82 to	137 .	. 82
pool to Manchester, on the Leigh Branch, in the same years			
Canals of Great Britain, cost and receipts, &c	••	148 .	. 83
Canals, New York and Pennsylvania, how long free from ice	••	149 .	. 83
Canals, their fatality	• •	150 .	. 83
Canal steam navigation	••	158 .	. 84
Canals, date of their origin in England	• •	. 92 .	. 80
Canal boat experiment on the Paddington canal	••	168 .	. 85
Canal steamer, La Reine, built at Manchester, for Belgium	••	164 .	. 89
Canals, length of principal in Great Britain, in 1823	••	165 .	. 89
Canals, length and cost constructing in Great Britain and Ireland, between 1760 and 1824	••	198 .	. 85 . 85 . 87
Canal communication between China and St. Petersburgh	••	196 . 204 .	. 87
Canal from Manchester to Stockport opened		204 .	. 87
Canal carriage in 1799		200.	. 87 . 87
Canal as presented to failfustus iii 1002		207 . 211 .	
Canal communication between Coalbrookdale and London, in 1800	••	178 .	. 88
Canals and railways to Birmingham and Liverpool		178 . 214 .	. 88
Canal acts of parliament in Great Britain		244 .	. 90
Canal investments in 1845		260 .	. 92
Canal interest, state of, in 1845		822 .	. 100
Canals, expense of making some of the most considerable in England		322 ·	
Canal between Manchester and Sheffield, traffic in 1824	410 ,	220 . 21 .	. 88 . 77
Canal and navigable rivers of France	••	874 .	. 104
Canal carriage between Dublin and Ballinasloe, &c. &c		0/4.	. 34
Cattle and sheep, number sold in Smithfield market, in each year, from 1833 to 1842	••	•	. 44
Cattle, to ascertain the weight of	• •	•	. 40
Cattle, to accreain the weight to	••	•	. 59
Cattle and sheep sold in Smithfield market, from 1821 to 1842	••	•	. 71
Cattle, &c., traffic on the Great North of England railway in 1844	••	ao1 :	. 97
Castle, seet, frame on the Oreal North of England ranway in 1011.	• •	wı.	
		212	
Cattle, fruit, &c., foreign importation	nt >	313 .	. 99
Cattle, iriut, etc., foreign importation Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in different vers. from 1801 to 1825.	nt }	31 3 .	. 71
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in different years, from 1801 to 1825	nt}		
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in different years, from 1801 to 1825	nt } 	162 .	. 71 . 85
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in difference years, from 1801 to 1825	nt } 		. 71
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in different years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon	nt }	162 .	. 71 . 85 . 103 . 41
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in different years, from 1801 to 1825	nt }	162 . 369 .	. 71 . 85 . 103
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in difference years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon. Cheshire salt works, and trade with the Baltic. Cheese, imported into England, from 1831 to 1843. Cheese imported into the United Kingdom in 1844. Chester and Ellesmere canals connected at Chester.	nt }	162 . 369 . 240 . 205 .	. 71 . 85 . 103 . 41 . 90
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in difference years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon. Cheshire salt works, and trade with the Baitic. Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester. Chillington iron works, transhipment of minerals	nt }	162 . 369 . 240 .	. 71 . 85 . 103 . 41 . 90 . 87
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in difference years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire salt works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Chesse imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838	nt }	162 . 369 . 240 . 205 . 862 . 146 .	. 71 . 85 . 103 . 41 . 90 . 87 . 102 . 83
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in difference years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon	nt }	162 . 369 . 240 . 205 . 862 .	. 71 . 85 . 103 . 41 . 90 . 87
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in difference years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon	nt }	162 . 369 . 240 . 205 . 862 . 146 .	. 71 . 85 . 103 . 41 . 90 . 87 . 102 . 83 . 106
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire salt works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Cleiand coal and iron works, amount of iron annually produced Coals, &c., price per bushel, or peck, at the rate of from 10s. to \$66.9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c.	nt }	162 . 369 . 240 . 205 . 862 . 146 .	. 71 . 85 . 103 . 41 . 90 . 87 . 102 . 83 . 106
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in difference years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire salt works, and trade with the Baltic Cheses imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Cleiand coal and iron works, amount of iron annually produced Coal, &c., price per bushel, or peck, at the rate of from 10s. to £6. 9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845.	nt }	162 . 369 . 240 . 205 . 862 . 146 .	. 71 . 85 . 103 . 41 . 90 . 87 . 102 . 83 . 106 . 30
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire sait works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Cleland coal and iron works, amount of iron annually produced Coal, &c., price per bushel, or peck, at the rate of from 10s. to £6. 9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845.	nt }	162 . 369 . 240 . 205 . 862 . 146 .	. 71 . 85 . 103 . 41 . 90 . 87 . 102 . 83 . 106 . 30 . 49
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in difference years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire salt works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Cleland coal and iron works, amount of iron annually produced Coal, &c., price per bushel, or peck, at the rate of from 10s. to \$6.9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 """, "" on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843 Coals to London, increase from 1821 to 1842.	nt }	162 . 369 . 240 . 205 . 862 . 146 .	. 71 . 85 . 103 . 41 . 90 . 87 . 102 . 83 . 106 . 30 . 49 . 56
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire alit works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Elleamere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Cleiand coal and iron works, amount of iron annually produced Coal, &c., price per bushel, or peck, at the rate of from 10s. to £6.9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 """ """ """ """ """ """ """	nt }	162 . 369 . 240 . 205 . 862 . 146 .	. 71 . 85 . 103 . 41 . 90 . 102 . 83 . 106 . 30 . 56 . 59 . 59 . 59
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire salt works, and trade with the Baltic Chesse imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetablire in 1838 Clejand coal and iron works, amount of iron annually produced Coal, &c., price per bushel, or peck, at the rate of from 10s. to £6. 9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 """, "" on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843. Coals to London, increase from 1821 to 1842. Coal passing by inland navigation and railroads in various counties, in 1816 Coals brought coastwise and by inland navigation, in 1844 and 1842	nt }	162 . 369 . 240 . 205 . 862 . 146 .	. 71 . 85 . 103 . 41 . 90 . 87 . 102 . 83 . 106 . 30 . 49 . 56 . 59 . 59
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire alt works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Cleland coal and iron works, amount of iron annually produced Coal, &c., price per bushel, or peck, at the rate of from 10s. to \$6.9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 "" "" "" "" "" "" "" "" ""	nt }	162 . 369 . 240 . 205 . 862 . 146 .	. 71 . 85 . 103 . 41 . 90 . 102 . 83 . 106 . 30 . 56 . 59 . 59 . 63 . 66
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire salt works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Clay, export from Dorsetshire in 1838 Coals, &c., price per bushel, or peck, at the rate of from 10s. to £6. 9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and cloke tonnage on the Great North of England Railway, monthly account, in 1844 Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 Coals to London, increase from 1821 to 1842. Coal passing by inland navigation and railroads in various counties, in 1816 Coals brought coastwise and by inland navigation, into the port of London, in 1841 and 1842 Coal so brought into Manchester in 1834, 1836, and 1840. Coals shrpped coastwise from British ports to other British ports, Ireland, the British Colonies, as	nt }	162 . 369 . 240 . 205 . 862 . 146 .	. 71 . 85 . 103 . 41 . 90 . 87 . 102 . 83 . 106 . 56 . 59 . 59 . 63 . 66 . 67
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire sait works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Cleland coal and iron works, amount of iron annually produced Coal, &c., price per bushel, or peck, at the rate of from 10s. to £6. 9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 """ on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843 Coals to London, increase from 1821 to 1842. Coal passing by inland navigation and railroads in various counties, in 1816 Coals brought coastwise and by inland navigation, into the port of London, in 1841 and 1842 Coal brought into Manchester in 1834, 1836, and 1840. Coals shipped coastwise from British ports to other British ports, Ireland, the British Colonies, ar foreign countries, from 1819 to 1835	nt }	162 . 369 . 240 . 205 . 862 . 146 .	. 71 . 85 . 103 . 41 . 90 . 87 . 102 . 83 . 106 . 30 . 49 . 56 . 59 . 63 . 66 . 67
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire sait works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Cleland coal and iron works, amount of iron annually produced Coal, &c., price per bushel, or peck, at the rate of from 10s. to £6. 9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 """ on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843 Coals to London, increase from 1821 to 1842. Coal passing by inland navigation and railroads in various counties, in 1816 Coals brought coastwise and by inland navigation, into the port of London, in 1841 and 1842 Coal brought into Manchester in 1834, 1836, and 1840. Coals shipped coastwise from British ports to other British ports, Ireland, the British Colonies, ar foreign countries, from 1819 to 1835	nt }	162 . 369 . 240 . 205 . 862 . 146 .	. 71 . 85 . 103 . 41 . 90 . 102 . 83 . 106 . 30 . 49 . 56 . 59 . 59 . 63 . 66 . 67
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Chesshire salt works, and trade with the Baltic Chesshire salt works, and trade with the Baltic Chesse imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Clay, export from Dorsetshire in 1838 Clay, export from Dorsetshire in 1838 Coals and iron works, amount of iron annually produced Coal, &c., price per bushel, or peck, at the rate of from 10s. to £6. 9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and clime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 , , , , on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843. Coals to London, increase from 1821 to 1842. Coal spassing by inland navigation and railroads in various counties, in 1816 Coals brought coastwise and by inland navigation, into the port of London, in 1841 and 1842 Coals brought coastwise from British ports to other British ports, Ireland, the British Colonies, ar foreign countries, from 1819 to 1835 Coals brought coastwise and by inland navigation and population each year, showing the consumption per head.	nt }	162 . 369 . 240 . 205 . 862 . 146 .	. 71 . 85 . 103 . 41 . 90 . 87 . 106 . 30 . 49 . 59 . 59 . 63 . 63 . 67 . 67
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Chesshire salt works, and trade with the Baltic Chesshire salt works, and trade with the Baltic Chesse imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Clay, export from Dorsetshire in 1838 Clay, export from Dorsetshire in 1838 Coals and iron works, amount of iron annually produced Coal, &c., price per bushel, or peck, at the rate of from 10s. to £6. 9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and clime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 , , , , on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843. Coals to London, increase from 1821 to 1842. Coal spassing by inland navigation and railroads in various counties, in 1816 Coals brought coastwise and by inland navigation, into the port of London, in 1841 and 1842 Coals brought coastwise from British ports to other British ports, Ireland, the British Colonies, ar foreign countries, from 1819 to 1835 Coals brought coastwise and by inland navigation and population each year, showing the consumption per head.	nt }	162 . 369 . 240 . 205 . 862 . 146 .	. 71 . 85 . 103 . 41 . 90 . 87 . 102 . 83 . 106 . 59 . 59 . 63 . 66 . 67 . 68
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire alit works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Cleland coal and iron works, amount of iron annually produced Coal, &c., price per bushel, or peck, at the rate of from 10s. to \$6.9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 """ "" "" "" "" "" "" "" ""	nt }	162 . 369 . 240 . 205 . 862 . 146 .	. 71 . 85 . 103 . 41 . 90 . 87 . 102 . 83 . 106 . 50 . 56 . 59 . 63 . 66 . 67 . 67 . 68 . 70
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire salt works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Clay, export from Dorsetshire in 1838 Clay, export from Dorsetshire in 1838 Coals, &c., price per bushel, or peck, at the rate of from 10s. to £6. 9s. per quarter Coals, &c., price per bushel, or peck, at the rate of from 10s. to £6. 9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and cloke tonnage on the Great North of England Railway, monthly account, in 1844 """ on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843 Coals to London, increase from 1821 to 1842. Coal passing by inland navigation and railroads in various counties, in 1816 Coals brought coastwise and by inland navigation, into the port of London, in 1841 and 1842 Coals brought coastwise from British ports to other British ports, Ireland, the British Colonies, are foreign countries, from 1819 to 1835 Coals brought coastwise and by inland navigation into London during 1836, 1837, and 1888 Coals brought coastwise and by inland navigation into the port of London, during the years 1838 and 1 Coals shipped coastwise and by inland navigation the the port of London, during the years 1838 and 1 Coals shipped coastwise and by inland navigation the the port of London, during the years 1838 and 1 Coals brought coastwise and by inland navigation the the port of London, during the years 1838 and 1 Coals brought coastwise and by inland navigation the the port of London, during the years 1838 and 1	nt }	162 . 369 . 240 . 205 . 862 . 146 .	. 71 . 85 . 103 . 41 . 90 . 102 . 83 . 106 . 56 . 59 . 59 . 63 . 66 . 67 . 67
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire alt works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Clay, export from Dorsetshire in 1838 Coals, &c., price per bushel, or peck, at the rate of from 10s. to \$26.9s. per quarter Coals, &c., price per bushel, or peck, at the rate of from 10s. to \$26.9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 """, on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843. Coals to London, increase from 1821 to 1842. Coal passing by inland navigation and railroads in various counties, in 1816 Coals brought coastwise and by inland navigation, into the port of London, in 1841 and 1842 Coals brought coastwise from British ports to other British ports, Ireland, the British Colonies, are foreign countries, from 1819 to 1835 Coals brought coastwise and by inland navigation into London during 1836, 1837, and 1838 Coals brought coastwise and by inland navigation into the port of London, during the years 1838 and 1 Coals, cinders, and culm, shipped coastwise, and by inland navigation into the port of London, during the years 1838 and 1 Coals, cinders, and culm, shipped coastwise, and by inland navigation into the port of London, during the years 1838 and 1 Coals, cinders, and culm, shipped coastwise and by inland navigation into the port of London, during the years 1838 and 1 Coals, cinders, and culm, shipped coastwise and by inland navigation into the port of London, during the years 1838 and 1 Coals, cinders, and culm to the land to the port of London, d	nt }	162 . 369 . 240 . 205 . 862 . 146 .	. 71 . 85 . 103 . 41 . 90 . 87 . 102 . 83 . 106 . 56 . 59 . 59 . 63 . 66 . 67 . 68 . 70 . 72 . 72
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire sait works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Elleamere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Cleland coal and iron works, amount of iron annually produced Coals, &c., price per bushel, or peck, at the rate of from 10s. to £6. 9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 """ on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843 Coals to London, increase from 1821 to 1842. Coal passing by inland navigation and railroads in various counties, in 1816 Coals brought coastwise and by inland navigation, into the port of London, in 1841 and 1842 Coal brought into Manchester in 1834, 1836, and 1840. Coals so brought coastwise from British ports to other British ports, Ireland, the British Colonies, and foreign countries, from 1819 to 1835 Coals to London since 1801, importation and population each year, showing the consumption per head. Coals brought coastwise and by inland navigation into the port of London, during the years 1838 and 1 Coals, cinders, and culm, shipped coastwise from various parts of the United Kingdom Coals brought coastwise, and by inland navigation into the port of London, during the years 1838 and 1 Coals, cinders, and culm, shipped coastwise, from various parts of the United Kingdom Coals brought coastwise, and by inland navigation, into the port of London, during the years 1834, as con pared with that of 1833	nt }	162 . 369 . 240 . 205 . 862 . 146 .	. 71 . 85 . 103 . 41 . 81 . 103 . 41 . 102 . 83 . 106 . 30 . 56 . 59 . 59 . 63 . 66 . 67 . 67 . 67 . 72 . 72 . 73
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire alt works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Cleiand coal and iron works, amount of iron annually produced Coal, &c., price per bushel, or peck, at the rate of from 10s. to \$6.9s. per quarter Coals, &c., price per bushel, or peck, at the rate of from 10s. to \$6.9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 """, on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843 Coals to London, increase from 1921 to 1842. Coals brought coastwise and by inland navigation, into the port of London, in 1841 and 1842 Coals brought troo Manchester in 1834, 1836, and 1840. Coals shipped coastwise from British ports to other British ports, Ireland, the British Colonies, are foreign countries, from 1819 to 1835 Coals brought coastwise and by inland navigation into London during 1836, 1837, and 1838 Coals brought coastwise and by inland navigation into London during the years 1838 and 1 Coals brought coastwise and by inland navigation into the port of London, during the years 1838 and 1 Coals brought coastwise and by inland navigation into the port of London, during the years 1838 and 1 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwise and by inland navigation into the port of London, during the years 1838 and 1 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwis	nt }	162 · 369 · 240 ·	. 71 . 85 . 103 . 41 . 0 . 87 . 102 . 106 . 309 . 599 . 63 . 66 . 67 . 68 . 70 . 72 . 72 . 73 . 78
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire alt works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Clay, export from Dorsetshire in 1838 Coals, &c., price per bushel, or peck, at the rate of from 10s. to £6. 9s. per quarter Coals, &c., price per bushel, or peck, at the rate of from 10s. to £6. 9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 """ "" on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843 Coals to London, increase from 1921 to 1842. Coal passing by inland navigation and railroads in various counties, in 1816 Coals brought coastwise and by inland navigation, into the port of London, in 1841 and 1842 Coals brought coastwise from British ports to other British ports, Ireland, the British Colonies, are foreign countries, from 1819 to 1835 Coals brought coastwise and by inland navigation into London during 1836, 1837, and 1839 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwise, and by inland navigation, into the port of London, during the years 1838 and 1 Coals brought coastwise, and by inland navigation, into the port of London, during the years 1838 and 1 Coals brought coastwise, and by inland navigation, into the port of London, du	nt }	162	. 71 . 85 . 103 . 41 . 90 . 87 . 102 . 83 . 106 . 59 . 59 . 63 . 66 . 67 . 67 . 72 . 72 . 73 . 78 . 78
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheses, imported into England, from 1831 to 1843 Cheses imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Cley, exported from Dorsetahire in 1838 Cleland coal and iron works, amount of iron annually produced Coals, &c., price per bushel, or peck, at the rate of from 182 to \$6.9s, per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 """, on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843 Coals to London, increase from 1821 to 1842. Coals brought coastwise and by inland navigation, into the port of London, in 1841 and 1842 Coals brought thot Manchester in 1834, 1836, and 1840. Coals shipped coastwise from British ports to other British ports, Ireland, the British Colonies, are foreign countries, from 1819 to 1835 Coals brought coastwise and by inland navigation into London during 1836, 1837, and 1838 Coals brought coastwise and by inland navigation into the port of London, during the years 1838 and 1 Coals brought coastwise and by inland navigation into the port of London, during the years 1838 and 1 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwise, and by inland navigation into the port of London, during the years 1838 and 1 Coals brought coastwise, and by inland navigation into the port of London, during the year 1834, as con pared with that of 1833 Coal miners, number of persons kille	nt }	162	. 71 . 85 . 103 . 41 . 90 . 87 . 106 . 83 . 106 . 30 . 49 . 56 . 67 . 68 . 66 . 67 . 70 . 72 . 72 . 73 . 78 . 78 . 78 . 78 . 78
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire alt works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Clay, export from Dorsetshire in 1838 Coals, &c., price per bushel, or peck, at the rate of from 10s. to £6.9s. per quarter Coals, &c., price per bushel, or peck, at the rate of from 10s. to £6.9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 "" on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843 Coals to London, increase from 1821 to 1842. Coals brought coastwise and by inland navigation, into the port of London, in 1841 and 1842 Coals brought coastwise from British ports to other British ports, Ireland, the British Colonies, are foreign countries, from 1819 to 1835 Coals brought coastwise and by inland navigation into London during 1836, 1837, and 1888 Coals brought coastwise and by inland navigation into the port of London, during the years 1838 and 18 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwise, and by inland navigation into the port of London, during the years 1838 and 18 Coals brought coastwise, and by inland navigation into the port of London, during the years 1838 and 18 Coals brought coastwise, and by inland navigation into the port of London, during the year 1834, as conpared with that of 1833 Coal interesting the port of London, number of ships, me	nt }	162	. 71 . 85 . 103 . 41 . 87 . 102 . 83 . 106 . 30 . 56 . 59 . 59 . 59 . 66 . 67 . 70 . 72 . 72 . 73 . 78 . 78 . 78 . 78
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire alit works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Cleland coal and iron works, amount of iron annually produced Coal, &c., price per bushel, or peck, at the rate of from 10s. 16 £6. 9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 """, on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843 Coals to London, increase from 1821 to 1842. Coal passing by inland navigation and railroads in various counties, in 1816 Coals brought coastwise and by inland navigation, into the port of London, in 1841 and 1842 Coals brought thot Manchester in 1834, 1836, and 1840. Coals shipped coastwise from British ports to other British ports, Ireland, the British Colonies, are foreign countries, from 1819 to 1835 Coals brought coastwise and by inland navigation into London during 1836, 1837, and 1888 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwise, and by inland navigation into the port of London, during the years 1838 and 1 Coals, cinders, and culm, shipped coastwise from various parts of the United Kingdom Coals brought coastwise, and by inland navigation, into the port of London, during the years 1838 and 1 Coals conders, and culm, shipped coastwise from various parts of the United Kingdom Coals brought coastwise, number of ships, men,	nt }	162	. 71 . 85 . 103 . 1103 . 411 . 90 . 87 . 102 . 83 . 106 . 59 . 59 . 59 . 63 . 66 . 67 . 68 . 70 . 72 . 72 . 73 . 78 . 78 . 78 . 78 . 85
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Chesshire Junction railway bill, amount of water carriage given in evidence thereon Chesshire alt works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Cleiand coal and iron works, amount of iron annually produced Coal, &c., price per bushel, or peck, at the rate of from 10s. to \$6.9s. per quarter Coals, &c., price per bushel, or peck, at the rate of from 10s. to \$6.9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 """, on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843 Coals to London, increase from 1921 to 1842. Coal sols brought coastwise and by inland navigation, into the port of London, in 1841 and 1842 Coals brought toosatwise from British ports to other British ports, Ireland, the British Colonies, are foreign countries, from 1819 to 1835 Coals brought coastwise and by inland navigation into London during 1836, 1837, and 1838 Coals brought coastwise and by inland navigation into London during the consumption per head. Coals brought coastwise and by inland navigation into the port of London, during the years 1838 and 1800. Coals brought coastwise, and exported to foreign countries at the different ports in 1839. Coals brought coastwise, and by inland navigation into the port of London, during the years 1838 and 1836. Coals brought coastwise, and by inland navigation into the port of London, during the years 1838 and 1836. Coal mines, number of persons killed between 1810 and 1835, in England and Wales Coal trade of Newcastle, number of ships, men, and boys	nt }	162	. 71 . 855 . 1030 . 41 . 90 . 87 . 102 . 83 . 106 . 30 . 49 . 56 . 67 . 68 . 67 . 70 . 72 . 78 . 78 . 78 . 78 . 78 . 85 . 85 . 85
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire sait works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Elleamere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Cleland coal and iron works, amount of iron annually produced Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 """ on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843 Coals to London, increase from 1821 to 1842. Coal passing by inland navigation and railroads in various counties, in 1816 Coals brought coastwise and by inland navigation, into the port of London, in 1841 and 1842 Coals brought thot Manchester in 1834, 1836, and 1840. Coals is brought too astwise and by inland navigation into London during 1836, 1837, and 1836 Coals brought coastwise and by inland navigation into London during 1836, 1837, and 1836 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwise, and by inland navigation into the port of London, during the years 1838 and 1 Coals, cinders, and culm, shipped coastwise from various parts of the United Kingdom Coals brought coastwise, and by inland navigation into the port of London, during the years 1838 and 1 Coals, cinders, and culm, shipped coastwise from various parts of the United Kingdom Coals brought coastwise, and by inland navigation, into the port of London, during the years 1838 and 1 Coals, cinders, and culm, shipped coastwise, from various parts of the Unit	nt }	162	. 71 . 855 . 1033 . 411 . 900 . 87 . 102 . 833 . 106 . 599 . 599 . 633 . 666 . 67 . 67 . 68 . 700 . 72 . 73 . 78 . 78 . 78 . 78 . 85 . 85 . 85 . 89
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire alt works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheses imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Cley, export from Dorsetshire in 1838 Cleland coal and iron works, amount of iron annually produced Coals, &c., price per bushel, or peck, at the rate of from 10s. to \$6.9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 "on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843 Coals to London, increase from 1821 to 1842. Coal sprought coastwise and by inland navigation, into the port of London, in 1841 and 1842 Coals brought too Manchester in 1834, 1836, and 1840. Coals shipped coastwise from British ports to other British ports, Ireland, the British Colonies, are foreign countries, from 1819 to 1836 Coals brought coastwise and by inland navigation into London during 1836, 1837, and 1838 Coals brought coastwise and by inland navigation into the port of London, during the years 1838 and 18 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwise, and by inland navigation into the port of London, during the years 1838 and 18 Coals to London since 1801, importation and population each year, showing the consumption per head. Coals brought coastwise, and by	nt }	162	. 71 . 855 . 103 . 103 . 90 . 87 . 102 . 833 . 106 . 59 . 59 . 59 . 59 . 63 . 67 . 68 . 70 . 72 . 73 . 78 . 78 . 78 . 78 . 88 . 88 . 88 . 88
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Chesshire Junction railway bill, amount of water carriage given in evidence thereon Chesshire alt works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Clay, export from Dorsetshire in 1838 Clay, exported from the Tyne, Tees, Wear, Humber, &c. Coals, &c., price per bushel, or peck, at the rate of from 10s. to £6.9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 "" on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843 Coals to London, increase from 1821 to 1842. Coal passing by inland navigation and railroads in various counties, in 1816 Coals brought coastwise and by inland navigation, into the port of London, in 1841 and 1842 Coals brought coastwise from British ports to other British ports, Ireland, the British Colonies, are foreign countries, from 1819 to 1835 Coals brought coastwise and by inland navigation into London during 1836, 1837, and 1838 Coals brought coastwise and by inland navigation into the port of London, during the years 1838 and 1800 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwise, and by inland navigation into the port of London, during the years 1838 and 1801 Coals prought coastwise, and by inland navigation into the port of London, during the years 1838 and 1801 Coals of the port of London, number of ships, men, and boys employed Coals to the port of London, number of ships, men, and boys employed Coal trade of Newcastle, extent. Coal beds of Lancashire, amount in weight Coals county that to London in weight Coals brought into Ma	ad }	162	. 71 . 85 . 103 . 41 . 90 . 87 . 102 . 83 . 106 . 59 . 59 . 63 . 66 . 67 . 67 . 72 . 72 . 78 . 78 . 78 . 78 . 78 . 78 . 78 . 85 . 89 . 89 . 90
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire alt works, and trade with the Baltic Cheese, imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Cleland coal and iron works, amount of iron annually produced Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 """, """, on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843 Coals to London, increase from 1821 to 1842. Coal spring by inland navigation and railroads in various counties, in 1816 Coals brought tooastwise and by inland navigation, into the port of London, in 1841 and 1842 Coals brought tinto Manchester in 1834, 1836, and 1840. Coals shipped coastwise from British ports to other British ports, Ireland, the British Colonies, are foreign countries, from 1819 to 1835 Coals brought coastwise and by inland navigation into London during 1836, 1837, and 1838 Coals brought coastwise and by inland navigation into the port of London, during the years 1838 and 18 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwise, and by inland navigation into the port of London, during the years 1838 and 18 Coals to Londons, unum, shipped coastwise from various parts of the United Kingdom Coals brought coastwise, and by inland n	nt }	162	. 71 . 85 . 103 . 103 . 90 . 87 . 102 . 83 . 83 . 56 . 59 . 59 . 63 . 67 . 67 . 67 . 70 . 72 . 73 . 78 . 78 . 78 . 78 . 78 . 85 . 78 . 98 . 99
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Chesshire Junction railway bill, amount of water carriage given in evidence thereon Chesshire alt works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Clay, export from Dorsetshire in 1838 Coals, &c., price per bushel, or peck, at the rate of from 10s. to £6. 9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 """ """ """ """ """ """ """	nt }	162	. 71 . 85 103 . 103 . 907 . 102 . 106 . 509 . 509 . 559 . 559 . 559 . 666 . 67 . 70 . 72 . 73 . 78 . 78 . 78 . 78 . 78 . 78 . 78 . 78
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire sait works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Cleland coal and iron works, amount of iron annually produced Coal, &c., price per bushel, or peck, at the rate of from 180. to £6. 9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 """, on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843 Coals brought coastwise and by inland navigation, into the port of London, increase from 1821 to 1842. Coal passing by inland navigation and railroads in various counties, in 1816 Coals brought thou Manchester in 1834, 1836, and 1840. Coals shipped coastwise from British ports to other British ports, Ireland, the British Colonies, are foreign countries, from 1819 to 1835 Coals brought coastwise and by inland navigation into London during 1836, 1837, and 1888 Coals brought coastwise and by inland navigation into the port of London, during the years 1838 and 1830 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwise, and by inland navigation into the port of London, during the years 1838 and 1830 Coals brought coastwise, and by inland navigation into the port of London, during the years 1838 and 1830 Coals brought coastwise, number of ships, men, and boys employed Coals, culmers, and culm, shipped coastwise from various parts of the United Kin	nt }	162	. 71 . 855 . 103 . 103 . 104 . 102 . 87 . 106 . 50 . 50 . 50 . 50 . 63 . 66 . 67 . 68 . 70 . 72 . 72 . 73 . 78 . 78 . 78 . 78 . 78 . 78 . 78 . 78
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Chesshire Junction railway bill, amount of water carriage given in evidence thereon Chesshire alt works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Clay, export from Dorsetshire in 1838 Coals, &c., price per bushel, or peck, at the rate of from 10s. to £6. 9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 """ """ """ """ """ """ """	nt }	162	. 71 . 85 103 . 103 . 907 . 102 . 106 . 509 . 509 . 559 . 559 . 559 . 666 . 67 . 70 . 72 . 73 . 78 . 78 . 78 . 78 . 78 . 78 . 78 . 78
Cattle, horses, sheep, and pigs, sent from Ireland to various parts of England and Scotland, in differer years, from 1801 to 1825. Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire Junction railway bill, amount of water carriage given in evidence thereon Cheshire sait works, and trade with the Baltic Cheese, imported into England, from 1831 to 1843 Cheese imported into the United Kingdom in 1844 Chester and Ellesmere canals connected at Chester Chillington iron works, transhipment of minerals Clay, export from Dorsetshire in 1838 Cleland coal and iron works, amount of iron annually produced Coal, &c., price per bushel, or peck, at the rate of from 180. to £6. 9s. per quarter Coals, &c., exported from the Tyne, Tees, Wear, Humber, &c. Coal and lime traffic at Workington, in 1844 and 1845. Coal and coke tonnage on the Great North of England Railway, monthly account, in 1844 """, on the Stockton and Darlington Railway, in the years 1841, 1842, and 1843 Coals brought coastwise and by inland navigation, into the port of London, increase from 1821 to 1842. Coal passing by inland navigation and railroads in various counties, in 1816 Coals brought thou Manchester in 1834, 1836, and 1840. Coals shipped coastwise from British ports to other British ports, Ireland, the British Colonies, are foreign countries, from 1819 to 1835 Coals brought coastwise and by inland navigation into London during 1836, 1837, and 1888 Coals brought coastwise and by inland navigation into the port of London, during the years 1838 and 1830 Coals brought coastwise, and exported to foreign countries at the different ports in 1839 Coals brought coastwise, and by inland navigation into the port of London, during the years 1838 and 1830 Coals brought coastwise, and by inland navigation into the port of London, during the years 1838 and 1830 Coals brought coastwise, number of ships, men, and boys employed Coals, culmers, and culm, shipped coastwise from various parts of the United Kin	nt }	162	. 71 . 855 . 103 . 907 . 102

	ou .	104												Ŋ	o. 77 .	Pa
oals and timber carried up and down the	Clyde, in	1841	••	••	•						• •	• •		. ?	77.	•
offee imported and exported in 1834		• •	• •	••	• •	• •	• •	•		•	• •	• •	•• •		01.	• •
ommercial Numbers, &c	ited State	•••	• •	••	• •			•		•	• •	••		•	•	• •
ommercial Marine of Europe and the Uni	iteu stau	es	• •	• •	••					•	• •	••	• •	٠,	13 .	• •
ommerce and the Duke of Bridgewater. Tokley, near Kidderminster, and Manche	etar Lor	odon.	end	Rries	101	mon	int o	foor	rian.	ne	id fo	- he				
opper produce of foreign ores, operation to	unon the	foreig	anu m	יפווע	trac	in ou	ille o	LCai	riagi	: pa	iu iu	, ,	rwee	u o	20 .	••
opper produced in several districts in Gre	apon tue oat Britai	n and	Irel	and	ua		• •	•		•	•	••	••••	•	•	• •
opper ores and fine metal produced in Co						•	• •		• •	•	••	••	••••	•	•	••
opper mines, produce in Cornwall, from	1831 to 1	837	.000				••	• •		•	• •	• •	• • •	•	•	• •
opper mines in Cornwall, produce from 1	771 to 17	86. ar	nd fro	om 1	96 t	o 18	34					••		•		••
opper produce, when largest															14	
opper, weight produced from the ore from	n 1831 to	1837														• •
opper, quantity exported															17	
opper ore imported and exported in 1841.														. 2	253	
ornish tin mines, produce from 1750 to 18	834															
ornwall more celebrated for copper than i	formerly	for ti	n								••				13	
orn and sacks of flour to Yarmouth, and	weight o	f good	is fro	om Y	arme	outh	in l	828							94	
ost of goods per heavy waggons and light	t vans														26	
ost of goods per heavy waggons and light otton Wool, imports and exports, in 1843																• •
tton, imports into Liverpool, from 1807	to 1841.			• •	• •											
otton, British and Foreign imports at var	rious peri	lods'	• •	• •								••	••	• •	70	
otton manufactures, quantity and value e	xported:	in 182	7 an	d 188	16						• •				71	
otton imports in 183/	• • • • •		• •	• •							• •	• •			77	
tton, weekly averages for home consum	ption in 1	1837 a	nd la	838											78	
otton manufactures, value exported in 18 otton, quantity imported in 1790, 1800, 1	37, 1838,	and l	1839		• •		• •	••		• •		••		••	79	
tton, quantity imported in 1790, 1800, 1	823, and	1824.	• •		••		••			• •	• •					
ttons, quantity printed at different perio	ds, up to	the y	year :	1831	• •				• •			••		1	172	
tton passing between Manchester and v	arious pl	aces i	n 188	36		••	••	• •	• •					:		••
otton in Liverpool, and where sent					••									:		
owley & Co., weight and freight of good	s betwee	n Elle	esme	re Po	ort a	ad L	iver	pool,	in l	835	and	1836		••	8	
omford and High Peak railway, length,	&c., in la	842				••	'	•••	••					1	179	
urrency, its effects on Birmingham goods ured provisions imported into the United	s in 1826			••		• •			• •		• •	• •			69	
red provisions imported into the United	i Kingdo	m in	1843	and	1844								••	:	246	
der and perry in the western counties			•••	••											86	
, ,																
eals, for calculating the weight of																
scount table																• •
isk engine, and Captain Carpenter's proj	nellers	•••		•••							••	••	•••	. 1	155	••
spute between the Manchester and Leed	s. Manch	ester	and l	Birm	inch	<u></u>	and	Live	rnoo	l an	d M	anch	ester			••
railways, in 1842	.,				8-		••							} }	183	••
ocks, number of shares, capital paid up,	dividend	l ner (rent.	årc.	••	••			••		••	••	••	•		
ocks of Liverpool, area, cost, &c		. pc	,	٠	••					•	••	••	•••			••
ocks of London, area, &c		•••	••	••	••	••				••	••	••			37 48	••
ocks of London, area, &c	rea. cost.	••	::	::	:: ::				••	••	::	::		36, 38,	48	••
ocks of London, area, &c ocks, West India, in the Isle of Dogs, ar	rea, cost,	••	::	::	•••		••			•••					48 39	
ocks of London, area, &c ocks, West India, in the Isle of Dogs, ar ocks, St. Catherine's, cost, area, &c		&c.	ts.	::	•••	•••	•••			•••	::	::		38,	48 39 40	•••
ocks of London, area, &c	ion, and	&c.	ts	::	 	•••	••	•••		•••	:: :: ::	::	••	38,	48 39	•••
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, are ocks, St. Catherine's, cost, area, &c. ocks in Galway, area, ship accommodati rawing paper, sizes of		&c.	ts		•••	•••	···		•	•••			••	38,	48 39 40	•••
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, ar ocks, St. Catherine's, cost, area, &c. ocks in Galway, area, ship accommodati rawing paper, sizes of	ion, and	&c.	ts	::	•••	•••				•••		::	••	36,	48 39 40 376	
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, ar ocks, St. Catherine's, cost, area, &c. ocks in Galway, area, ship accommodatiraving paper, sizes of citwich, annual produce of salt ublin steam packet, built of iron, weigh	ion, and	&c.	ts		•••	•••			•••	•••	•••		•••	38,	48 39 40 376 331	
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, ar ocks, St. Catherine's, cost, area, &c. ocks in Galway, area, ship accommodatirawing paper, sizes of roitwich, annual produce of salt units team packet, built of iron, weight udley, trade carried on in and about	t, &c	&c.	ts		•••	•••	•••			•••	•••		•••	38,	48 39 40 376 331 199 328	
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, ar ocks, St. Catherine's, cost, area, &c. ocks in Galway, area, ship accommodati rawing paper, sizes of vision, annual produce of salt ublin steam packet, built of iron, weigh udley, trade carried on in and about. use on the river Weaver navigation in 18	t, &c	&c.	·· ·· ··		•••	•••		•••	•••	•••	•••••••••••••••••••••••••••••••••••••••		•••	38,	48 39 40 376 381 199	··· ··· ··· ··· ··· ···
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, arecks, St. Catherine's, cost, area, &c. ocks, in Galway, area, ship accommodatirawing paper, sizes of roitwich, annual produce of salt ublin steam packet, built of iron, weighudley, trade carried on in and about ues on the river Weaver navigation in It unafries, annual amount of the import a	t, &c	&c.	·· ·· ··		•••	•••		•••		•••			•••	36,	48 39 40 376 331 199 328 110 379	
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, arecks, St. Catherine's, cost, area, &c. ocks in Galway, area, ship accommodatirawing paper, sizes of oroitwich, annual produce of salt ublin steam packet, built of iron, weight undley, trade carried on in and about uses on the river Weaver navigation in it unfries, annual amount of the import a umfries, number of cattle annually sent	t, &c	&c.	·· ·· ··		•••	•••		•••		•••			•••	38,	48 39 40 376 331 199 328 110 379 401	
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, arecks, St. Catherine's, cost, area, &c. ocks in Galway, area, ship accommodatirawing paper, sizes of roitwich, annual produce of salt ubilin steam packet, built of iron, weigh udley, trade carried on in and about ues on the river Weaver navigation in it umfries, annual amount of the import a umfries, number of cattle annually sent umfries cattle market	t, &c	&c.	·· ·· ··			•••				•••	•••		•••	38,	48 39 40 376 331 199 328 110 379 401 414	
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, arecks, St. Catherine's, cost, area, &c. ocks in Galway, area, ship accommodatirawing paper, sizes of civitwich, annual produce of salt ublin steam packet, built of iron, weigh udley, trade carried on in and about uses on the river Weaver navigation in it unifries, annual amount of the import a unifries, number of cattle annually sent umfries cattle market	t, &c	&c.	·· ·· ··			•••							•••	38,	48 39 40 376 331 199 328 110 379 401	
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, ar ocks, St. Catherine's, cost, area, &c. ocks in Galway, area, ship accommodati rawing paper, sizes of roitwich, annual produce of salt ublin steam packet, built of iron, weight didey, trade carried on in and about uses on the river Weaver navigation in Islumfries, annual amount of the import umfries, cumber of cattle annually sent umfries cattle market urham coal district, amount of traffic	t, &c	&c.	ie					•••					•••	38,	48 39 40 376 331 199 328 110 379 401 414	
ocks of London, area, &c	t, &c	&c.	ie		; in	1844				•••			•••	38,	48 39 40 376 381 199 328 110 379 401 414 364	
nocks of London, area, &c. occks, West India, in the Isle of Dogs, arecks, St. Catherine's, cost, area, &c ocks in Galway, area, ship accommodati rawing paper, sizes of roitwich, annual produce of salt ubilin steam packet, built of iron, weight indley, trade carried on in and about uses on the river Weaver navigation in It unafries, annual amount of the import a umfries, number of cattle annually sent umfries cattle market urham coal district, amount of traffic arthenware and china conveyed from the arthenware exported in 1836	t, &c 830 nd expor	&c. recelp	le.					Ma	rch.	11836			•••	38,	48 39 40 376 331 199 328 110 379 401 414	
ocks of London, area, &c	t, &c	&c. recelp	le.					Mai	rch,	1838			•••	38,	48 39 40 376 331 199 328 110 379 401 414 4364 229 2	
ocks of London, area, &c	t, &c 830 nd expor	&c. recelp	pott	m M	arch.	183	7, to	• •	• •		• •		•••	38,	48 39 40 376 331 199 328 110 379 401 414 364 229 2 201	
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, are ocks, St. Catherine's, cost, area, &c. ocks in Gaiway, area, ship accommodatirawing paper, sizes of roitwich, annual produce of salt ubil n steam packet, built of iron, weightudley, trade carried on in and about ues on the river Weaver navigation in If umfries, annual amount of the import a umfries, annual amount of the import a umfries, and district, amount of traffic arthenware and china conveyed from the arthenware exported in 1836 arthenware exported in 1836 ulsemere canal, near Chester, first navigation distance of goods forwarded llesumere canal, near Chester, first navigation distance of the content of the product of the content of t	t, &c 830 nd expor	&c. recelp	pott	m M	arch.	183	7, to	• •	• •		• •		•••	38,	48 39 40 376 331 199 328 110 379 401 414 364 229 2 201 315	
ocks of London, area, &c	t, &c 830 see Stafford d and recated	&c. receip	pott	m M	nrch n, fr	183 om .	7, to Janu	ary t	o Ju		• •		•••	38,	48 39 40 376 331 199 328 110 379 401 414 364 229 2 201	
nocks of London, area, &c. cocks, West India, in the Isle of Dogs, are cocks, St. Catherine's, cost, area, &c. cocks, St. Catherine's, cost, area, &c. cocks in Galway, area, ship accommodati rawing paper, sizes of cotivich, annual produce of salt ublin steam packet, built of iron, weight udley, trade carried on in and about ues on the river Weaver navigation in It umfries, nnnual amount of the import a tumfries, number of cattle annually sent umfries cattle market urrham coal district, amount of traffic arthenware and china conveyed from the arthenware exported in 1836 Lesmere port, weight of goods forwarder lessuere canal, near Chester, first navigo ngland and the Continent, number of per rewash Valley collieries, quantity of coal xcise duties on various articles in Engla	t, &c 830 see Stafford d and recated	&c. receip	pott	m M	nrch n, fr	183 om .	7, to Janu	ary t	o Ju		• •		•••	38,	48 39 40 376 331 199 328 110 379 401 414 364 229 2 201 315	
nocks of London, area, &c. cocks, West India, in the Isle of Dogs, are cocks, St. Catherine's, cost, area, &c. cocks, St. Catherine's, cost, area, &c. cocks in Galway, area, ship accommodati rawing paper, sizes of cotivich, annual produce of salt ublin steam packet, built of iron, weight udley, trade carried on in and about ues on the river Weaver navigation in It umfries, nnnual amount of the import a tumfries, number of cattle annually sent umfries cattle market urrham coal district, amount of traffic arthenware and china conveyed from the arthenware exported in 1836 Lesmere port, weight of goods forwarder lessuere canal, near Chester, first navigo ngland and the Continent, number of per rewash Valley collieries, quantity of coal xcise duties on various articles in Engla	t, &c 830 see Stafford d and recated	&c. receip	pott	m M	nrch n, fr	183 om .	7, to Janu	ary t	o Ju		• •	::	•••	38,	48 39 40 376 331 199 328 110 379 401 414 364 229 2 201 315	
ocks of London, area, &c	t, &c	&c receip t trad dshire eeived avellir m land,	pott, from	m Ma twee Irela	n, fr	0m .	7, to Janu	ary t	o Ju		• •		•••	38,	48 39 40 376 331 199 328 110 379 401 414 364 229 201 315 343	
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, ar ocks, St. Catherine's, cost, area, &c. ocks in Galway, area, ship accommodati rawing paper, sizes of roitwich, annual produce of salt ublin steam packet, built of iron, weigh udley, trade carried on in and about uses on the river Weaver navigation in 16 uunfries, annual amount of the import a uunfries, number of cattle annually sent umfries cattle market urham coal district, amount of traffic arthenware and china conveyed from the arthenware exported in 1836 ulesmere port, weight of goods forwarded llesmere port, weight of goods forwarded llesmere canal, near Chester, first navig galand and the Continent, number of pe rewash Valley collieries, quantity of coal accise duties on various articles in Engla xports of the United Kingdom in 1842 almouth, Redruth, and Truro, carriage of	t, &c	&c recelp t trad dshire land,	pott , from	m Marketwee	n, fr	0m .	7, to Janu	ary t	o Ju		• •			38,	48 39 40 376 381 199 328 318 364 229 2 201 315 343	
ocks of London, area, &c	t, &c	&c recelp t trad dshire land,	pott , from	m Marketwee	n, fr	0m .	7, to Janu	ary t	o Ju		• •		•••	38,	48 39 40 376 331 199 328 110 401 414 364 229 2 201 315 343 398 191	
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, are ocks, St. Catherine's, cost, area, &c. ocks in Galway, area, ship accommodatirawing paper, sizes of	t, &c	&ct trad	pott , from	m Marketwee	n, fr	0m .	7, to Janu	ary t	o Ju		• •			38,	48 39 40 376 381 199 328 110 379 401 414 4364 229 2 201 315 343 398 191 371	
ocks of London, area, &c	t, &c	&ct trad	pott , from	m Marketwee	n, fr	0m .	7, to Janu	ary t	o Ju		• •			38,	48 39 40 376 381 199 328 110 379 401 414 364 229 2 201 315 343 398 199 371 415	
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, are ocks, St. Catherine's, cost, area, &c. ocks in Galway, area, ship accommodatirawing paper, sizes of	t, &c	&c. recelp tt trad shire reived avellir and, had	pott	m Ma	nd, f	om .	7, to Janu 1818	ary to	829	ine,	1845			38,	48 39 40 376 381 199 328 110 379 401 401 401 401 401 364 229 201 315 343 398 191 371 415 323	
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, ar ocks, St. Catherine's, cost, area, &c. ocks in Galway, area, ship accommodati rawing paper, sizes of rotiwich, annual produce of salt untile, trade carried on in and about uses on the river Weaver navigation in 16 numfries, annual amount of the import a numfries, annual amount of the import a numfries, annual amount of traffic arthenware and china conveyed from the arthenware exported in 1836 arthenware in the same of cather of goods forwarded allesmere canal, near Chester, first navig reguland and the Continent, number of perewash Valley collieries, quantity of coal axports of the United Kingdom in 1842 almouth, Redruth, and Truro, carriage of atality by waggons and carts greater the sisheries along the east and west coasts of sish consumption of, in Manchester, prev sish, consumption of, in Manchester, prev	t, &c	&c. recelp tt trad shire reived avellir and, had	pott	m Ma	nd, f	om .	7, to Janu 1818	ary to	829	ine,	1845			38,	48 39 40 376 381 199 328 110 379 401 414 364 229 2 201 315 343 398 199 371 415	
ocks of London, area, &c	son, and to t, &c	&c. receip t trad data trad avellir avellir betwe way c d he int	pott, from be and control to the con	m Marketwee	of re	om	7, to Janu 1818	ary to	829	cons	1848	ent e		38,	48 39 40 376 381 199 328 110 379 401 401 401 401 401 364 229 201 315 343 398 191 371 415 323	
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, area, sky. Cocks, St. Catherine's, cost, area, &c. ocks, St. Catherine's, cost, area, &c. ocks in Galway, area, ship accommodati rawing paper, sizes of	son, and to t, &c	&c. receip t trad data trad avellir avellir betwe way c d he int	pott, from be and control to the con	m Marketwee	of re	om	7, to Janu 1818	ary to	829	cons	1848	ent e		38,	48 39 40 376 381 199 328 110 379 401 401 401 401 401 364 229 201 315 343 398 191 371 415 323	
ocks of London, area, &c	son, and to t, &c	&c. receip t trad data trad avellir avellir betwe way c d he int	pott, from be and control to the con	m Marketwee	of re	om	7, to Janu 1818	ary to	829	cons	1848	ent e		38,	48 39 40 376 381 199 328 110 379 401 401 401 401 401 364 229 201 315 343 398 191 371 415 323	
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, ar ocks, St. Catherine's, cost, area, &c. ocks in Gaiway, area, ship accommodati rawing paper, sizes of roitwich, annual produce of salt ublin steam packet, built of iron, weigh udley, trade carried on in and about uses on the river Weaver navigation in it umfries, number of cattle annually sent umfries, number of cattle annually sent umfries acttle market urham coal district, amount of traffic arthenware and china conveyed from the arthenware exported in 1836 arthenware exported in 1836 llesmere canal, near Chester, first naviga ragiand and the Continent, number of prewash Valley colleries, quantity of coal excise duties on various articles in Engla exports of the United Kingdom in 1842 almouth, Redruth, and Truro, carriage of tality by waggons and carts greater the sheries off the coast of Galway isheries along the east and west coasts of sish, consumption of, in Manchester, prev on prices since on prices since lour, to calculate the weight of, from 1 t per 112bs, to the out.	t, &c	&c. receip t trad series delining he int ds, at ds, at	pott pott from pott pott pott pott pott pott pott po	m Mi	of rates	rom rom rom rom rom rom rom rom	7, to Janu 1818	ary t	829	cons	1848	ent e		38,	48 39 40 376 381 199 401 414 364 229 201 315 343 398 191 415 323 299	
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, arecks, St. Catherine's, cost, area, &c. ocks, in Galway, area, ship accommodatirawing paper, sizes of orivitwich, annual produce of salt willin steam packet, built of iron, weighnuley, trade carried on in and about use on the river Weaver navigation in it unifries, annual amount of the import a umfries, annual amount of the import a umfries, number of cattle annually sent umfries cattle market arthenware and china conveyed from the arthenware exported in 1836 llesmer port, weight of goods forwarded llesmere canal, near Chester, first navigagland and the Continent, number of perewash Valley collieries, quantity of coal xcise duties on various articles in Engla suports of the United Kingdom in 1842 almouth, Redruth, and Truro, carriage catality by waggons and carts greater the isheries along the east and west coasts of ish cangulat at Ellesmere port, near Chester, prev on prices since	t, &c	&c. receip t trad series delining he int ds, at ds, at	pott pott from pott pott pott pott pott pott pott po	m Mi	of rates	rom rom rom rom rom rom rom rom	7, to Janu 1818	ary t	829	cons	1848	ent e		38,	48 39 40 376 381 199 308 110 379 401 364 229 2 201 315 343 398 191 371 415 323 299	
ocks of London, area, &c	t, &c	&c recelp dshire eived land, betwe way c dd dds, at ds, at	pott, from t 280 2161	m Mi	of rates	rom rom rom rom rom rom rom rom	7, to Janu 1818	ary t	829	cons	1848	ent e		38,	48 39 40 376 381 199 401 379 401 414 364 229 2 201 315 343 398 191 315 323 299	30
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, ar ocks, St. Catherine's, cost, area, &c. ocks in Galway, area, ship accommodati rawing paper, sizes of roitwich, annual produce of salt ublin steam packet, built of iron, weigh nulley, trade carried on in and about uses on the river Weaver navigation in 16 umfries, annual amount of the import a umfries, number of cattle annually sent umfries cattle market urham coal district, amount of traffic arthenware and china conveyed from the arthenware exported in 1836 arthenware exported in 1836 illesmere canal, near Chester, first navig agland and the Continent, number of perewash Valley collieries, quantity of coal axports of the United Kingdom in 1842 almouth, Redruth, and Truro, carriage o tatality by waggons and carts greater the sheries off the coast of Galway isheries along the east and west coasts o she caught at Ellesmere port, near Ches she, consumption of, in Manchester, prev on prices since lour, to calculate the weight of, from 1 t lour, to calculate the weight of, from 1 t lour, to calculate the weight of, from 1 t lour, or meal, price per bushel, peck, st lour sent from Chester to Manchester in ly and heavy boats on the Grand Junctic	e Stafford d and rec ated or goods an by rail of Scotlan ter ious to ti o 600 loa o 700 loa one, or p on cand	&c	pott, from the pott 2800 and the pott 2800 and the pott 2800 from the pott 2800 and	m Marketwee	n, fr n, fr nd, f n nd, f n nd, f n nd, f	. 183 rom	7, to	ary to	829	ine,	1848	ent e		38,	48 39 40 376 381 199 308 110 379 401 364 229 2 201 315 343 398 191 371 415 323 299	30
ocks of London, area, &c. ocks, Mest India, in the Isle of Dogs, ar ocks, St. Catherine's, cost, area, &c. ocks in Galway, area, ship accommodati rawing paper, sizes of roitwich, annual produce of salt unblin steam packet, built of iron, weight of the individual of goods forwarded in individual of the i	t, &c 830 100 100 100 100 100 100 100	&c. recelp t trad ceived avellir avellir da, at ds, at ds, at rts of	pott, from the pott taken taken the pott taken taken the pott taken take	m Marketwee	n, fr n, fr nd, f n nd, f n nd, f n nd, f	. 183 rom	7, to	ary to	829	ine,	1848	ent e	offects	38,	48 39 40 376 381 199 328 110 379 401 364 229 201 315 343 398 191 371 415 323 299	30
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, ar ocks, St. Catherine's, cost, area, &c. ocks in Gaiway, area, ship accommodati rawing paper, sizes of roitwich, annual produce of salt ublin steam packet, built of iron, weight udley, trade carried on in and about uses on the river Weaver navigation in it umfries, number of cattle annually sent umfries, number of cattle annually sent umfries acttle market urham coal district, amount of traffic arthenware and china conveyed from the arthenware exported in 1836 arthenware exported in 1836 llesmere canal, near Chester, first navig negland and the Continent, number of prewash Valley colleries, quantity of coal excise duties on various articles in Engla exports of the United Kingdom in 1842 almouth, Redruth, and Truro, carriage of tality by waggons and carts greater the sheries off the coast of Galway isheries along the east and west coasts o talk caught at Ellesmere port, near Ches ish, consumption of, in Manchester, prev on prices since on prices since lour, to calculate the weight of, from 1 t per 1121bs, to the ewt. lour, or meal, price per bushel, peck, at livy and heavy boats on the Grand Junctio oreign ports, time occupied in shipping	t, &c	&c. recelp t trad ceived avellir avellir da, at ds, at ds, at rts of	pott, from the pott taken taken the pott taken taken the pott taken take	m Marketwee	n, fr n, fr nd, f n nd, f n nd, f n nd, f	. 183 rom	7, to	ary to	829	ine,	1848	ent e	offects	38,	48 39 40 376 381 199 328 110 371 414 364 229 2 231 313 313 313 313 314 314 314 3	30
ocks of London, area, &c. ocks, West India, in the Isle of Dogs, ar ocks, St. Catherine's, cost, area, &c. ocks in Gaiway, area, ship accommodati rawing paper, sizes of rotiwich, annual produce of salt unbill steam packet, built of iron, weigh undiey, trade carried on in and about unses on the river Weaver navigation in 16 unmfries, annual amount of the import a numfries, annual amount of the import a tumfries cattle market urham coal district, amount of traffic arthenware and china conveyed from the arthenware exported in 1836 arthenware canal, near Chester, first navig agiand and the Continent, number of perewash Valley collieries, quantity of coal axports of the United Kingdom in 1842 almouth, Redruth, and Truro, carriage o tatality by waggons and carts greater the fisheries off the coast of Galway isheries along the east and west coasts o tash caught at Ellesmere port, near Ches sish, consumption of, in Manchester, prev on prices since lour, to calculate the weight of, from 1 t lour, to calculate the weight of, from 1 t lour, to calculate the weight of, from 1 t lour, or meal, price per bushel, peck, st lour sent from Chester to Manchester in ly and heavy boats on the Grand Junctic	t, &c	&c. recelp t trad ceived avellir avellir da, at ds, at ds, at rts of	pott, from the pott taken taken the pott taken t	m Marketwee	n, fr n, fr nd, f n nd, f n nd, f n nd, f	. 183 rom	7, to	ary to	829	ine,	1848	ent e	offects	38,	48 39 40 376 381 199 328 110 379 401 364 229 201 315 343 398 191 371 415 323 299	30

										_		_
											No.	Pa
Falashiels, its manufacture and commercial embarrassmer	nts										382	. i
Garnkirk and Glasgow railway, traffic and revenue, from 1	1832 to	1840 .		••			••			• •	• •	
Jas coals, amount of gas from the various kinds of Scotch	h produ	ce .		. ••-	• •	••		••	••	••	861	. 1
Beneral Steam Navigation Company, amount of traffic bet	tween I	ondor	and :	Leith	••	••	••	••	••	••	863	. 1
Glass sent from Birmingham to London in 1832	• ••	•• •	• ••	••	••	••	••	• •	••	••	818	. 1
Glass, quantity made annually	• ••		• ••	••	••	••	••	••	••	••	154	•
Glass exports		•• •		••	••	••	••	••	••	••	230	•
Glass, quantity charged, and duty imposed in 1844 and 184	40	•• •		••	••	••	••	••	••	••	248 84	
Plass, weight annually made, exports and duties	in con	navion	with	the m		ho		••	••	••	184	
Hasgow and Greenock railway, punctuality of trains, &c., Goods, rates for carriage on the principal lines of railway.	, III COLL	HEALUL	. WICH	PITE B	Cam			••	••	••	104	
Goods traffic between the river Mersey and places south of	f Prest	on Bro	ok. in	1844	••	••	••	••	••	••	• •	
Goods and passenger traffic on railways, comparative rate	of char	rge nei	r ton		••	••	••	•••	••	• •	268	
Goods traffic between Birmingham and London, North	hampto	n and	Birm	ingha	ım.	and	Lo	adon	and	ii.		
Daintry, in 1832					,	•••		•••		`}	300	•
Goods between Birmingham and London, time occupied b	by coacl	h, wag	gons,	and c	anal	, in	1832	••			305	
		:				••	••	••	••		358	. 1
Goole, advantages thereof, as a shipping depot								••	••		403	. 1
Frain, for calculating the weight of, from 1 to 2900 bushel	ls						• •	••	••	• •	25	
rain, prices in bushels, pecks, &c., from 1s. to 57s. per q	quarter			٠.	••	••	••	••	••	••		. :
Frain, rate of carriage between Manchester and Lincolnsh	ire in l	837.	·	••	••	••	••	••	••	• •	• •	
Frain and meal brought into Great Britain from Ireland, f	from 18	115 to 1	1836.	• •	·:.	••	••	••	••	• •	100	. !
Grain, sugar, cotton, &c., price of carriage from Liverpool	to Ma	ncnest	er pri	or to	1911	· h -	••	••	٠.,		122	. ;
,, ,, price adopted by the Bridgewate	er cana	ı, and	couun	uunc	OI	life !	same	• •	1	23,	124 82	. :
Frand canal from Dublin, length, &c	• ••			••	••	••	••	••	••	••	203	
Frand Junction railway, general statistics	• • • •	•• •	• ••	••	••	••	••	••	••		242	
Frand Junction railway, tonnage expenses in 1949			· ••	••	••	••	••		••		27î	
Frand Junction railway, tonnage expenses in 1843 Frand Junction Railway Company, complaints against by	Messre	. Pick	ford &	Co.	in l	841	••	••	••		291	
rand Junction canal, and opening of parcels in the year l	1832										298	
Frand Junction Canal Company, amount paid for ice break	king in	1841 .						••	••		265	
reat Western railway, number of passengers on the day of	of the c	hriste	ning o	f the	Prin	ce o	f W	les	••		182	. :
reat Western railway, travelling by fast train, March 10th	h, 1845			••		••					279	. !
Freat Western steamer, dimensions, &c							••				231	
reat patent case in 1842											259	. :
reenwich railway, number of passengers and receipts on	Good I	riday	and E	aster	Mon	ıday	, 181	2	• •		180	. :
reenwich and Croydon railways, result of increased toll .					••	'	••	• •	••		190	
rocer's Company, establishment					• •		••	• •	• •		125	
rocer's Company, cause of its establishment					• •	٠.			• •		127	. 1
Fuildford, amount of flour sent to London weekly								• •	• •		857	10
lardware and cutlery, quantity and declared value exporte	ed in di	fferen	t years	٠.,	••	••	••	• •	••		119	
Hardware and cutlery exported in the year 1841					••	••	••	••	••	••	256	
Hartlepool Dock and Railway Company, abstract of tonnag	ge, que	s, &c.,	, m 10-	#1.	••	••	••	••	••	••	••	
lay and straw, price per truss, at the rate of from £1 to	æ to pe	r IOMU	•••	••	• •	••	••	••	••	••	••	
Iay stacks, to ascertain weight of	m 1894	199	· ··	••	• •	••	••	••	••	••	••	
lides, weekly produce of a tannery, near Leeds	102-	W 102	•	••	••	••	••	••	••	٠.,	819	1
litchin, consumption of malt, coals, &c	· ••		· ··	••		••	••		•••		850	î
lops, account of duty, of the growth of 1844		·· ·	· ··	••	••	••	••	• •	••	••		•
uddersfield and the east, consumption of wool					•					• •	851	1
luddersfield canal, amount of traffic carried on in 1844 and	d 1845										855	î
ull, amount of traffic to and from											368	ī
Iull and Goole, shipments thereto						••					378	ī
Iull, and its shipping accommodation				••	••		••				896	1
Iull, exports from, saving in expense if shipped from Gool	le										897	ī
				• •								_
				••	••	••	••	••	••		•••	
nports of the United Kingdom in 1842					••	••	••	••	••	••	•••	
nports of foreign metals in 1841				::	••	 ::	••	 	••	••	•••	
nports of foreign metals in 1841	· ··		· ··	 ::	·· ··	••		••	••••	••		
nports of foreign metals in 1841				::		··	::	••	••••	••	285	
nports of foreign metals in 1841 nports of Irish grain in each year, from 1800 to 1841 npositions by carriers on railways lland carrying trade, Liverpool, in 1843				::	::	••		••	••••	••	285 89 t	to
mports of foreign metals in 1841 mports of Irish grain in each year, from 1800 to 1841 mpositions by carriers on railways land carrying trade, Liverpool, in 1843 land navigation to and from Liverpool, in the years 1786	 3, 1787,	and 12	788.	::	••			••	•••••		89 1	to
mports of foreign metals in 1841 mports of Irish grain in each year, from 1800 to 1841 mpositions by carriers on railways land carrying trade, Liverpool, in 1843 land navigation to and from Liverpool, in the years 1786 land transport, new system	 3, 1787,	and l	788.	::	••			•••	•••••			to
mports of foreign metals in 1841 mports of Irish grain in each year, from 1800 to 1841 mpositions by carriers on railways land carrying trade, Ilverpool, in 1843 land navigation to and from Liverpool, in the years 1786 land transport, new system sish cattle, number of, &c.	· ··		788.		•••			•••			89 1	to
mports of foreign metals in 1841 mports of Irish grain in each year, from 1800 to 1841 mpositions by carriers on railways land carrying trade, Liverpool, in 1843 land navigation to and from Liverpool, in the years 1786 land transport, new system ish cattle, number of, &c. on produced in England and Scotland in 1823, 1828, 1828	 3, and 1	830			•••			•••			89 1	to
nports of foreign metals in 1841 nports of Irish grain in each year, from 1800 to 1841 npositions by carriers on railways land carrying trade, Liverpool, in 1843 land navigation to and from Liverpool, in the years 1786 land transport, new system ish cattle, number of, &c. on produced in England and Scotland in 1823, 1825, 1828 on made within the kingdom, with the quantity importer	 3, and 1	830			•••						89 1	to
mports of foreign metals in 1841 mports of Irish grain in each year, from 1800 to 1841 mpositions by carriers on railways land carrying trade, Liverpool, in 1843 land navigation to and from Liverpool, in the years 1786 land transport, new system ish cattle, number of, &c. on produced in England and Scotland in 1823, 1825, 1828 on made within the kingdom, with the quantity imported on made in 1840	 3, and 1	830			•••			•••			89 1	to
mports of foreign metals in 1841 mports of Irish grain in each year, from 1800 to 1841 mpositions by carriers on railways lland carrying trade, Liverpool, in 1843 lland navigation to and from Liverpool, in the years 1786, lland transport, new system ish cattle, number of, &c. on produced in England and Scotland in 1823, 1825, 1828 on made within the kingdom, with the quantity imported on, English, Welsh, and Scotch produce	 3, and 1	830									89 1 156	to
mports of foreign metals in 1841 mports of firsh grain in each year, from 1800 to 1841 mpositions by carriers on railways liand carrying trade, Liverpool, in 1843 liand navigation to and from Liverpool, in the years 1786 land transport, new system ish cattle, number of, &c. on produced in England and Scotland in 1823, 1825, 1828, on made within the kingdom, with the quantity importer on made in 1840 on, English, Welsh, and Scotch produce on, weight exported in bar, pig, rod, &c.	and land e	830									89 1 156 20 22	to
mports of foreign metals in 1841 mports of Irish grain in each year, from 1800 to 1841 mpositions by carriers on railways land carrying trade, Liverpool, in 1843 land navigation to and from Liverpool, in the years 1786 land transport, new system ish cattle, number of, &c. on produced in England and Scotland in 1823, 1825, 1828 on made within the kingdom, with the quantity imported on made in 1840 on, English, Welsh, and Scotch produce on, weight exported in bar, pig, rod, &c. on, difference of produce between the years 1740 and 183	and land e	830									89 (156	to
mports of foreign metals in 1841 mports of firsh grain in each year, from 1800 to 1841 mpositions by carriers on railways land carrying trade, Liverpool, in 1843 land navigation to and from Liverpool, in the years 1786 land transport, new system ish cattle, number of, &c. on produced in England and Scotland in 1823, 1825, 1828 on made within the kingdom, with the quantity imported on, English, Welsh, and Scotch produce on, weight exported in bar, pig, rod, &c. on, difference of produce between the years 1740 and 183 on, quantity smelted in 1836, and price per ton	3, and 18 and e	830									89 (156	to
mports of foreign metals in 1841 mports of Irish grain in each year, from 1800 to 1841 mpositions by carriers on railways land carrying trade, Liverpool, in 1843 land navigation to and from Liverpool, in the years 1786 land transport, new system ish cattle, number of, &c. on produced in England and Scotland in 1823, 1825, 1828 on made within the kingdom, with the quantity imported on made in 1840 on, English, Welsh, and Scotch produce on, weight exported in bar, plg, rod, &c. on, difference of produce between the years 1740 and 183 on, quantity smelted in 1839, and price per ton on, weight made in Great Britain in 1740, 1788, 1827, and	3, and 16 and e	830 xporte	ed								89 (156 20 22 23 24 60	to
mports of foreign metals in 1841 mports of Irish grain in each year, from 1800 to 1841 mpositions by carriers on railways land carrying trade, Liverpool, in 1843 land navigation to and from Liverpool, in the years 1786 land transport, new system ish cattle, number of, &c. on produced in England and Scotland in 1823, 1825, 1828 on made within the kingdom, with the quantity imported on made in 1840 on, English, Welsh, and Scotch produce on, weight exported in bar, pig, rod, &c. on, difference of produce between the years 1740 and 183 on, quantity smelted in 1836, and price per ton on, weight made in Great Britain in 1740, 1788, 1827, and on, produce per furnace, number of hands employed, was on, produce per furnace, number of hands employed, was	3, and 18 and e	830 xporte	ed	·· · · · · · · · · · · · · · · · · · ·							39 (156 20 22 23 24 60 61	to
mports of foreign metals in 1841 mports of firsh grain in each year, from 1800 to 1841 mposts of Irish grain in each year, from 1800 to 1841 mpostions by carriers on railways aland carrying trade, Liverpool, in 1843 aland navigation to and from Liverpool, in the years 1786 aland transport, new system rish cattle, number of, &c. ron produced in England and Scotland in 1823, 1825, 1828 ron made within the kingdom, with the quantity importer ron made in 1840 ron, English, Welsh, and Scotch produce ron, weight exported in bar, pig, rod, &c. ron, difference of produce between the years 1740 and 183 ron, quantity smelted in 1836, and price per ton ron, weight made in Great Britain in 1740, 1788, 1827, and ron, produce per furnace, number of hands employed, wa ron, quantity of ore, weight of coals, &c., requisite to proo	3, and 16 and e	830 .xporte	ed		•••						39 (156 20 22 23 24 60 61	to
mports of foreign metals in 1841 mports of Irish grain in each year, from 1800 to 1841 mports of Irish grain in each year, from 1800 to 1841 mpositions by carriers on railways nland carrying trade, Liverpool, in 1843 nland transport, new system rish cattle, number of, &c. ron produced in England and Scotland in 1823, 1825, 1828 ron made within the kingdom, with the quantity importer ron made in 1840 ron, English, Welsh, and Scotch produce ron, weight exported in bar, pig, rod, &c. ron, weight exported in bar, pig, rod, &c. ron, of difference of produce between the years 1740 and 183 ron, model of the produce between the years 1740 and 183 ron, weight made in Great Britain in 1740, 1788, 1827, and ron, produce per furnace, number of hands employed, was ron, quantity of ore, weight of coals, &c. requisite to pro	3, and 16 and e	830 .xporte	ed								39 · · · · · · · · · · · · · · · · · · ·	to
mports of the United Kingdom in 1842 mports of foreign metals in 1841 mports of Irish grain in each year, from 1800 to 1841 mpositions by carriers on railways. nland carrying trade, Liverpool, in 1843 mland navigation to and from Liverpool, in the years 1786, nland transport, new system rish cattle, number of, &c. ron produced in England and Scotland in 1823, 1825, 1828 ron made within the kingdom, with the quantity importer ron made in 1840 ron, English, Welsh, and Scotch produce ron, weight exported in bar, plg, rod, &c. ron, difference of produce between the years 1740 and 183; ron, quantity smelted in 1836, and price per ton ron, weight made in Great Britain in 1740, 1788, 1827, and ron, produce per furnace, number of hands employed, wag ron, quantity of ore, weight of coals, &c., requisite to pro ron, average weight of pig requisite to produce 1 ton of wr ron works at Merthyr Tydvil, number of hands and steam ron at Dowlais. produce per furnace per annum	3, and 16 and e	830 .xporte	ed								89 · · · · · · · · · · · · · · · · · · ·	to
mports of foreign metals in 1841 mports of Irish grain in each year, from 1800 to 1841 mporst of Irish grain in each year, from 1800 to 1841 mpositions by carriers on railways land carrying trade, Liverpool, in 1843 mland navigation to and from Liverpool, in the years 1786, nland transport, new system rish cattle, number of, &c. ron produced in England and Scotland in 1823, 1825, 1828 ron made within the kingdom, with the quantity importer fron made in 1840 ron, English, Welsh, and Scotch produce ron, weight exported in bar, pig, rod, &c. ron, difference of produce between the years 1740 and 183; ron, quantity smelted in 1836, and price per ton ron, weight made in Great Britain in 1740, 1788, 1827, and ron, produce per furnace, number of hands employed, was on, quantity of ore, weight of coals, &c. requisite to proton, average weight of pig requisite to produce 1 ton of wron works at Merthyr Tydvil, number of hands and steam on at Dowlais, produce per funnace per annum	d 1839 ges per duce a rrought	830 xporte week, given	ed								89 · · · · · · · · · · · · · · · · · · ·	to
mports of foreign metals in 1841 mports of firish grain in each year, from 1800 to 1841 mpostitions by carriers on railways mland carrying trade, Liverpool, in 1843 mland navigation to and from Liverpool, in the years 1786, nland transport, new system rish cattle, number of, &c. ron produced in England and Scotland in 1823, 1825, 1828 ron made within the kingdom, with the quantity imported from made in 1840 ron, English, Welsh, and Scotch produce ron, weight exported in bar, plg, rod, &c. ron, quantity smelted in 1836, and price per ton ron, quantity smelted in 1836, and price per ton ron, rought made in Great Britain in 1740, 1788, 1827, and ron, produce per furnace, number of hands employed, was ron, quantity of ore, weight of coals, &c., requisite to pro ron, average weight of pig requisite to produce 1 ton of wn ron works at Merthyr Tydvil, number of hands and steam	d 1839 ges per duce a rrought	830 xporte week, given	ed								89 · · · · · · · · · · · · · · · · · · ·	to
mports of foreign metals in 1841 mports of firsh grain in each year, from 1800 to 1841 mpositions by carriers on railways mland carrying trade, Liverpool, in 1843 mland navigation to and from Liverpool, in the years 1786, nland transport, new system rish cattle, number of, &c. ron produced in England and Scotland in 1823, 1825, 1828, ron made within the kingdom, with the quantity importer from made in 1840 ron, English, Welsh, and Scotch produce ron, weight exported in bar, pig, rod, &c. ron, difference of produce between the years 1740 and 183 ron, quantity smelted in 1836, and price per ton ron, weight made in Great Britain in 1740, 1788, 1827, and ron, produce per furnace, number of hands employed, was ron, quantity of ore, weight of coals, &c., requisite to pro ron, average weight of pig requisite to produce 1 ton of we ron works at Merthyr Tydvil, number of hands and steam ron in Scotland, number of furnaces, and their production ron and steel, amount and value exported in 1836	d 1839 ges per duce a rrought	830 xporte week, given	ed								89 ° · · · · · · · · · · · · · · · · · ·	to
mports of foreign metals in 1841 mports of Irish grain in each year, from 1800 to 1841 mpositions by carriers on railways. nland carrying trade, Liverpool, in 1843 nland navigation to and from Liverpool, in the years 1786 nland transport, new system rish cattle, number of, &c. ron produced in England and Scotland in 1823, 1825, 1828 ron made within the kingdom, with the quantity importer ron made in 1840 ron, English, Welsh, and Scotch produce ron, weight exported in bar, pig, rod, &c. ron, difference of produce between the years 1740 and 183 ron, quantity smelted in 1836, and price per ton ron, weight made in Great Britain in 1740, 1788, 1827, and ron, produce per furnace, number of hands employed, wag ron, quantity of ore, weight of coals, &c., requisite to pro- ron, average weight of pig requisite to produce 1 ton of w ron works at Merthyr Tydvil, number of hands and steam ron at Dowlais, produce per furnace, and their production ron in Scotland, number of furnaces, and their production	d 1839 ges per duce a rrought	830 xporte week, given	ed								89 · · · · · · · · · · · · · · · · · · ·	to

								_					_	-
												No.	P	age
Iron, increased production at	different periods		<u></u>	••						••		106		8
Iron, quantity made at differe		land and	Wales	••	••		• ••	••	••	••	••	112	••	81
Iron, fluctuations in prices at	anterent periods	••	•• ••	••	••		• ••	••	••	••	••	113		8
Iron, increased British export Iron trade, estimated annual	nroduce in the ver	ions dist	icts in	1839	••			••	••	••	••	. 114	••	81 82
Iron, annual produce in foreig	m countries				••			••	••	••	••	iis	••	82
Iron, exports in 1836								••	••	::	•••	. 142	••	88
Iron made in various parts of	Great Britain, du	ring the fi	rst six	mont	hs of	1842	• •		••	••	••	. 153	::	84
Iron, number of furnaces, and	l weight produced	between '	Wolver	hamp	ton a	and S	tourb	ridge			••	. 177	••	86
Iron brought down the Glouc	estershire Canal C	ompany's	tram-	roads	and (canal,	from	lst	to 9t	h Jul	ly, 184	2. 189		87
Iron in the Staffordshire distr	ict in 1836	••	•• ••	••	••			••	••	••	•••	. 215	••	8
Iron works, Dowlais, extent,	&c	•• ••	• • • • • • • • • • • • • • • • • • • •	••	••		• ••	••	••	••	•• •	. 222	••	8
Iron manufactured in France	in 1820 and 1830	•• ••	•• ••	••	• •	•• •	• ••	••	••	••	•• •	· 228	••	89 90
Iron and coal of Pennsylvania Iron trade of South Wales	and England		• • • • • • • • • • • • • • • • • • • •	••	••	• • •	• ••	••	••	••		. 247	••	91
Iron shaft manufactured at th	e Mersey Iron Wo	rka in Li	 Ivernoo	ı ··	••		• ••	••	••	••		. 251	••	9:
Iron, prices of cotch, Welsh	and Staffordshire	in 1843	and 184	15	••	•• •	: ::	••	••	••	•••	. 252	••	9
Iron trade, years of high price	8			••								. 269		9
Iron, raw, annual European p	roduce									••		. 257	••	92
Iron, number of furnaces betw	veen Wolverhamp	ton and S	Stourpo	rt, an	id an	nual p	produ	ce		••		. 290		94
Iron, quantity imported and e	xported in 1841			••	• •		• ••	• •	••	••		. 297	••	97
Iron works at Tunstall and A	ircastle		••	••	••	•• •	• ••	• •	••	••	••	. 836	••	10
Wonnet and Aver sonal free!	tuna of ab											010		
Kennet and Avon canal, forfei		Grant VIII				•• ••	••	••	••	••	•• •	. 210 . 186	••	86 86
Kensington Canal Company, p	nufacture	Great W	. arcm	omp	ану.	• ••	••	••	••	••		. 329	••	10
Kidderminster, &c. carpet ma Kilbeggan district, quantity ar	nd amount of flour	annualle	manuf	actur	ed .	• ••	••	••	••	••	•••	. 329 . 405	••	10
Kilwick, consumption of coal							••	••	••	••		. 838	••	10
or community or com			••	••			•••	••	••	••		. 500	••	
Lard importations, during the	six months endin	g January	1843.	1844.	and	1845.	••		••	••		. 284		9
Lathewood, to ascertain weigh	tof			'								•		2
Lead mines in Derbyshire, Cu	mberland, &c., anı	nual prod	uce	••	••	• •	• • •	••	••	••		. 18		77
Lead and lead ore imported as	na exported in the	year 1841		••	•• •		••	••	••	••		. 255	••	92
Leather, weight of hides and s		orted for	tnat pt	rpose	•	• •	••	••	••	••		. 85	••	80
Leeds and Liverpool canal trai	mc, &c	tunnol	• ••	••	••	• •	••	••	••	••			••	5
Leeds and Liverpool canal, or Leeds, annual amount of grain	beaming or Regula	market .		••	•• •	•,•	••	••	••	••		. 202	••	87 104
Leith and Liverpool, amount of		MIGHTACE .	• ••	••	••	• • • •	••	••	••	••		. 392	• •	102
Limestone from Skipton, cons		og iron w	orks.	••			• • •	••	••	••	•••	. 339	••	101
Linen yarn, amount and value	exported in 1836						•		::	••		. 74	••	79
Live Stock exported from Dub	lin to Liverpool, a	nd coastw	ays, in	1839	:		•••		••	••			• •	44
Live stock from Ireland, value	imported into Liv	erpool in	1837									. 59		78
Liverpool docks, area of water	, quay space, &c.	· · · · ·					••	••	••	••		. 316	••	100
Liverpool Screw				••	••	. :	••	••	••	••		. 157	••	84
Liverpool and Manchester rail	way, amount carri	eu in 1881	1096	••	• •	• ••	••	••	••	••	•• •	. 806	••	98
,, ,,	traffic from or expenses of v	pening to	1000.	81 to		• ••	••	••	••	••		•	••	58
, ,	difference of o	TO SELECT THE	erchar	lies i	1004 1002	nneri-	on to	the .	enel	••	••	. 49	••	64 78
**	actual cost of	carriage.				-Length	 ⊶.w	****	-match	• • •	••	. 390	••	10 5
Liverpool and Wigan, amount	of traffic existing	between .						::		••		. 411	••	100
Locomotives, value at different	perioas			••						••		. 47	• •	78
Locomotive engine, the Great	Western, her pow	ers and d	imensi	ons					••			308		98
Locomotive agency, new Amer	ican discovery .				<u>.</u> .				••	••		. 804	• •	98
London and Birmingham, Gra	nd Junction, South	h Westerr	n, and	Great	Wes	tern :	tatist	ics.	•:-	••		:	• •	51
London and Birmingham raily	ay, passenger traf	ic for six	month	s in e	ich o	f the	years,	1839	, 184	10 , a ı	nd 184	1	• •	58
London and Birmingham, and	Birmingham and	Gloucest	er railu	ays,	cost	of car	rying	g000	is &	c.	••	. 245	• •	91
London and Greenwich railway	y, number of passe	ngers car	ried, ai	na rec	eipte	, 10 T	v nit-v	veek	••	••	••	. 53	••	79
London and York, carriage of	CUBL, CC		• ••	••	•	• ••	••	••	••	••	••	. 365	٠٠.	103
Longford, amount of traffic fro	stay, 1044, to 1	1ay, 1040.	• ••	••	•• •	• ••	• •	••	••	••		. 416	••	10
Machinery, value exported from	m Great Britain.	rom 1824	to 1829)								90		80
Mail coaches, number in the U	nited Kingdom, in	n 1837.			•		••	••	••	••		104	•	81
Malt. in England, Ireland, and	Scotland, on which	ch duty h	as beer	char	ged.	from	1819 (o 18	40			,		59
Malt, flour, &c., from Notting Manchester and Norwich, amo	hamshire and Line	oin shire i	to Man	chest	er in	1837	••	••	••			217		89
Manchester and Norwich, amo	unt of traffic betw	een						••	••	• •		859	:	102
Manchester and Leeds railway	, increased tonna	ge of good	is traffi	ic of	1841	over	that o	of 18	36	••		192	• •	.87
"	tonnage frauds in	n March 1	.⊀4. 5								281	, 282	••	94
22 27	merchandise traff quantity of flour	nc for the	SIX M	nths	enai	ng 18	42, 18	43, a	na 1	514	•• ••	283 286	• •	94 95
99 99	reduction of char	anu grain	riege b	ousec	ı, ŒC n M∼	nobes	740 600 0	 т.	 11 at-		nenin		• •	96
,, ,,	progressive incre										Acord	317	. 1	OG OG I
n n	importance &c. o	of extension	ve ware	house	ne	,						887		105
27	monthly average	of toll n	aid be	ween	Jun	e. 18	12. ar	ıd Jı	ine.	1849	3. by 1			
various carriers											5		•	77
Manchester and Birmingham	railway, number o	f passeng	ers, &	c., fro	m Ju	me, l	338, ta	Ma	rch,	1839		50 .		78
	,, amount re	ceivea ioi	r parce	15 IN I	ne s	ame t	ıme	• •	•• ´	••		51		78
,, ,,	,, cost of var	ious depa	rtmen	is in a	elght	een n	ionthi	B '				52 .		79
"	,, merchandi	ise traffic	on the	28th	July	, 184	• • •	••	••	<u></u>	•••	. 309		98
	,, comparati	ve view of	the lo	cal an	d th	rough	bass	enge	r tra	nic,	with)			76
the weight and value of	the merchandise ti	rame, from	n the o	penin	g of	the li	ne, &	e. &c	• ••	••	J	907	-	
Manchester and Chaffeld and	" Quick trav	Biemicel	 ham						: .	i.		287	•	95
Manchester and Sheffield, and week 1845	" wanchears and	numing:	uani 19	mws.	-, P	esseng	er ui	шC,	ш	rr mil	mun. }	808	٠.	98
WEEK 10-10	•• •• ••	•• ••	•• ••	• • •	••	••	•••••	• • •	• • •	•••	,			

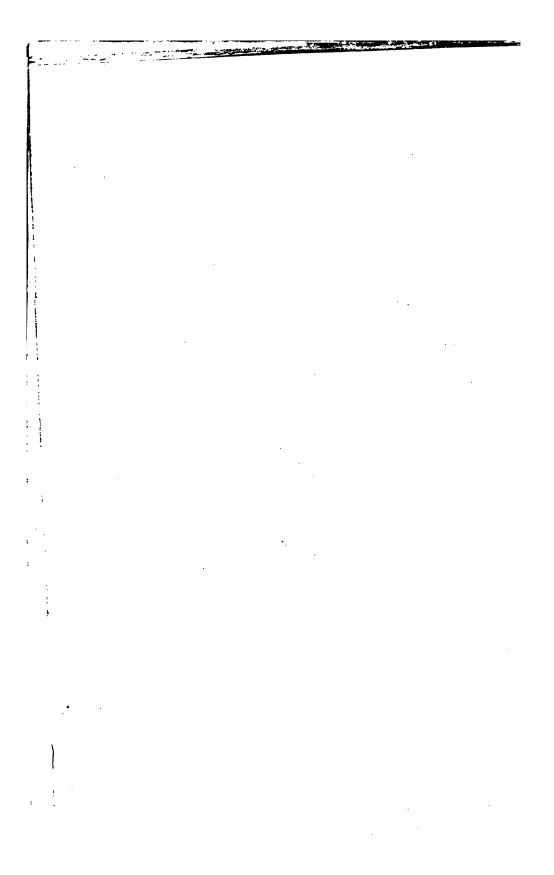
	No). I	age.
Manganese, English produce	14	-	83
Manufactures of the United Kingdom, entire produce of	 34	и	52 101
Menai Bridge, length, width, height, &c	54		79
Merchandise to and from Manchester, by the Liverpool and Manchester railway, from January 16th to	}		43
February 28th, 1838, warehouse deliveries, &c	j	••	55
Merchandise by the Royal canal between Dublin and other places in 1844	• •	••	56
Merchandise, first load on the Liverpool and Manchester railway	19		87
Merchandise between London and Birmingham in 1832	27 27		93 94
Merchandise, weight passing annually between various places in England		5	94 80
Mersey and Irwell Company's shares, value prior to opening of the Liverpool and Manchester railway	17		86
metals to and from the United Kingdom in 1832	22		89
Midland railway, number of foot passengers crossing in six months	38		101 104
Miles, length of, in different countries		•••	41
Mileage and composition for duties on railway and stage carriages in Great Britain, for the years 1836-7-8.	-9. 14		72 83
Mines, British, metallic produce	14		83
Mineral produce of Great Britain of late years, and prices in 1838	6	32	79
Mineral field between Glasgow and Hamilton	41	2	106
Newark and Manchester, cost of goods between the two places	33	2 .	101
Newport and Cardiff, and Cardiff and Gloucester, amount of traffic between those places	38	35	104
New inventious to decrease expenses on canals	20		87
Newcastle-upon-Tyne, number of vessels entering and leaving that port	37	/8)4	104
Oak farm fron works, consumption of coal and limestone per week	37	72	103
Oceans and lakes, area of	99	90 ∷	41 94
Old Quay Company, warehouse accommodation, in 1825		39	82
,, ,, quantity of corn carried between Liverpool and Manchester, from 1819 to 1825		10	. 83
", ", number of flat loads of goods carried from 1816 to 1821		41 34	. 82 . 90
Ore, in Cornwall, in 1837	(63	79
Otleigh and neighbourhood, amount of coal consumed		96	. 105
Oxford canal shares, value in 1800	20	08	. 87
Packet and revenue service			. 36
Packs of wool, carriage between Lincoln and Wakefield	39		105
Parliamentary printing, extent of		10 93	. 99 . 105
Peak Forest canal, opening in 1800	20	09	. 88
Penzance, amount of traffic to and from	34	49	102
Per centage equivalents	1!	51	. 33 . 83
Pickford & Co., weight of goods to and from Liverpool by railway and canal, in 1841 and 1842		7	77
Figs forwarded from Ellesinere Port to Wolverhampton in 1836		3	77
Pontefract, annual consumption of coal and coke	8	56	. 102 . 55
Population of Liverpool and Manchester at different periods, with amount of Cotton passing between the	; i	30	. 82
two places	,	vu	-
Population, traffic, and tonnage of exports and imports of Dublin, Cork, Belfast, Limerick and Waterfor Power looms in Great Britain, numbers in 1833 and 1838	a.	76	. 58 . 79
Price per stone of 8 or 14lbs. and 112lbs., from \(\frac{1}{2}\)d. to 2s. per lb	::		. 32
Private railways, annual cost of			. 64
Public speculations in 1845	8	11 .	. 99
Railway viaducts		60 .	. 85
Raiiways, length of narrow and wide gauge, in March 1845		78 .	. 86
Railway accidents		85 . 12 .	. 91 98
Railways preferable to canals in 1802		19 .	. 88 . 91
Railway traffic, comparative increase, value of shares, &c	2	64 .	. 93
Railway shares, fluctuation in prices at different periods		66. 67.	. 98 . 98 . 94 . 97 . 99 . 79
Railway property, value at the commencement of 1845	2	78 .	. 94
MAILWAY LEXALION, FOR THE SIX MODILIA, ENGING MARCH 1840	2	95 .	. 97
Railways in England in 1845, capital invested, amount of revenue, &c		02 . 07 .	. 99
Railways, effects on canal property, &c		56 .	. 79
Railroads in Belgium, receipts of the first six mouths, of 1844 and 1845		21 .	. 106
Railway receipts and disbursements for six months in 1841	••	•	. 46
Railway travelling, rate of	::	•	. 59
Rate of travelling at different periods		88 .	. 90
Rate of travelling by express trains between Manchester and London	2	89 .	. 90
Raw produce, quantity imported, and from whence, in 1840	••	•	. 50 . 58 . 95 . 95
Redruth and Truro, amount of traffic in copper ore between	8	41 .	. 101
The state of the s			

, 					_		
						No.	70
Regent's canal, length, &c						. 29 .	Page
Rivers, length, &c., and principal ones in Europe							8
River Weaver and Weston canal, tonnage dues received thereon from 1801	l to 188	7	••			152	8
Rivers, Mr. Brindley's opinion of			••			121	8:
Rock salt, number of hands employed in Cheshire	•• ••		••			175	🥺
Rock and white salt mines, near Northwich	•• ••		••	•• ••	• • •	. 11 .	7
Royal navy, January, 1843	•• ••		••		• • •	195 .	8 8
., ,, number of seamen, boys, and marines employed	••	••	••	••	••	•	3
Runcorn Gap railway, expenses and finances generally, since its opening			•••		•	884	10
Salt annually exported from Liverpool, from 1833 to 1844			••				10%
Salt. exports in 1836	•• ••	••	••		••	223 .	80
Salt works of Cheshire, Worcestershire, and Lancashire, annual produce	•• ••	•• ••	••	•• ••	••	298 .	. 9
Salt exported from Liverpool in 1843	•• ••	•• ••	••	•• ••	••	•	. 4
Sait, annual average made in Cheshire about 1795	•• ••		••	••	• •	91 .	. 8
Salt trace in 1844			••	•••••	••	814	. 9
Salt, white and rock, sent down the river Weaver, from 1808 to 1835			•••				. 69
Salt, rock and white, number of bushels annually exported, from 1827 to 18							. 72
Salt, quantity made, and the proportion taken for consumption, in each yes	ar, from	1801 ta	1817	7. <i>.</i>	• •		. 72
Screw Propellers on canals	•• ••	•• ••	••	•• ••	• •	159 .	. 80
Selby, amount of traffic from thence to London	• • • •	•• ••	••	•• ••	••	866 .	. 108
Severn improvement	• • •	••	••		••	161 .	. 80
Sheep and lambs' wool, woollen manufactures, &c., imported and exported	d in 189	4	••	•• ••	• •	96 .	. 80
Shipping employed in the trade of the United Kingdom with other countries	es, from	1800 🖢	184	ı ::	••		. 8
Ships entering the port of London in 1831, 1832, and 1838 Ships lost in 1816, 1817, and 1818, and in 1833, 1834, and 1835			••		•••	85 .	. 78
Ships lost in 1816, 1817, and 1818, and in 1833, 1834, and 1835						42 .	. 78
Ships, number employed between Great Britain and Ireland	. :		••			48 .	. 78
Ships entering the port of London from foreign parts	• ••	• • • •	••	•• ••	••	•	. 54
Ships, number and amount of tonnage, entering various ports, in 1843	foomoot	in 188	and	1000	••	8:	. 78
Shipton & Co., weight and freight of goods between Ellesmere Port and Listle, weight of English consumption, &c	verpool,	111 1006	ana	1800	••	82	. 77
Silk, imports and exports of various years.	• • •	••	••		••	88 .	: /ŝ
Silk, quantity imported and exported in the years 1833 and 1834			••	•• ••	•••		. 78
Silver ore, extraordinary mass imported from Chili, in 1842						262 .	. 92
Snow and railways in 1842					••	181 .	. 86
Soap manufactured in Great Britain, in 1844			••			221 .	. 88
Soap, quantity made in Great Britain in 1834			••		• •	99.	. 80
Solid or cubic measure	• ••	• • • • • • • • • • • • • • • • • • • •	••	••	• •	•	. 28
South Staffordshire, annual make of iron	• ••	••••	••	•• ••	••	327 . 400 .	. 101
South of Wales, amount of traffic in iron	nodom ·	from 18	240 +0	1045	••	400 . 820 .	. 105
Staffordshire, inconvenience of canal communication	uguom,		75V W	1090	••	407 .	. 106
Staffordshire Potteries, weight in tons per annum, in and out of			::		••		. 42
Stayleybridge and neighbourhood, amount of trade			••			852 .	. 102
Steel, product at Sheffield						19.	. 77
Stone quarries near Leeds, quantity annually sent through Goole			••		••	395 .	. 105
Stourport carpet manufacture, amount of traffic	••	•• ••	••	•• ••	••	333 .	. 101
Stourbridge, clay used in the making of bricks	• • • • • • • • • • • • • • • • • • • •	•• ••	••	•• ••	••	402 . 406 .	. 105
Strathmore, number of cattle sent weekly to Glasgow and Aberdeen Steam vessels belonging to the United Kingdom, number and tonnage, in a	ooch voo	r from	1614	to 1837	,	400 .	. 106 . 78
Steam vessels, horses power required to those of certain tonnages	cach yea	u, 110111	1014	1007	• • • •	198	. 87
Steam Ships, American, comparative dimensions of the three first			••		••	46 .	. 78
Steam power, preferable to horse power			• •		••	239	. 90
Steam navigation on the Thames						250 .	. 91
Steam navigation on the Rhine, in 1840						273 .	. 94
Steam boats on canals	• ••	•• ••	••	••	••	274 .	. 94
Stourbridge district, annual make of glass, &c	• ••	•• ••	••	•• ••	••	354 . 347 .	. 102
Stratford-on-Avon, amount of traffic to and from	of the M	ensi	••	•• ••	••	847 . 55 .	. 102 . 79
Suspension Bridge at Freyburg, dimensions, &c. as compared with those of Sugar importations, in 1833 and 1834		cuel	••	••	••	97 .	. 80
Sugars, retained for consumption in the United Kingdom, with the net	revenue	accrui	ng t	herefror	n. 1	-/ ·	
from 1815 to 1840			"		7}	•	. 64
Sugar, molasses, rum, coffee, and cocoa, imports for the years 1831 to 1841	••		••		••		. 68
	1044						
Tallow, &c., for home consumption, in the United Kingdom, from 1835 to	1844		••	•• ••	••	268	. 98
Tailow imported in 1833 and 1834 the United Kingdom			••	•• ••	••	102	. 81
Tea, imported, exported, and retained for home use in the United Kingdom		••	••	••	••	296	. 68 . 97
r lige versinen for nome consilmation in the limited Kinadom of different to		• • • • • • • • • • • • • • • • • • • •	••		••	258	. 97 . 92
Tea retained for home consumption in the United Kingdom, at different per Tidal dock. Southampton, particulars of				••	••	12	. 32 . 77
Tidal dock, Southampton, particulars of		•• ••					- 77
Tidal dock, Southampton, particulars of		•• ••	::			16	. //
Tidal dock, Southampton, particulars of Tin mines, quantity yielding, imports, exports, &c. Tin, weight cast into blocks Tin, imported and exported in the year 1841		· · · · · · · · · · · · · · · · · · ·		:: ::	::	256	. 77 . 92
Tidal dock, Southampton, particulars of Tin mines, quantity yielding, imports, exports, &c. Tin, weight cast into blocks Tin, imported and exported in the year 1841 Timber, for calculating the weight of				: ::	::	256	. 92 . 23
Tidal dock, Southampton, particulars of Tin mines, quantity yielding, imports, exports, &c. Tin, weight cast into blocks Tin, imported and exported in the year 1841 Timber, for calculating the weight of Timber freights from Quebec, &c., amount redeemed			::		::	256 44	. 92 . 23 . 78
Tidal dock, Southampton, particulars of Tin mines, quantity yielding, imports, exports, &c. Tin, weight cast into blocks Tin, imported and exported in the year 1841 Timber, for calculating the weight of Timber freights from Quebec, &c., amount redeemed Tonnage between Liverpool and Manchester in 1824, by Kenworthy			::		::	256 44 138	. 92 . 23 . 78 . 82
Tidal dock, Southampton, particulars of Tin mines, quantity yielding, imports, exports, &c. Tin, weight cast into blocks Tin, imported and exported in the year 1841 Timber, for calculating the weight of Timber freights from Quebec, &c., amount redeemed Tonnage between Liverpool and Manchester in 1824, by Kenworthy Tobacco and snuffs imported in 1834			::		::	256 44	. 92 . 23 . 78 . 82 . 81
Tidal dock, Southampton, particulars of Tin mines, quantity yielding, imports, exports, &c. Tin, weight cast into blocks Tin, imported and exported in the year 1841 Timber, for calculating the weight of Timber freights from Quebec, &c., amount redeemed Tonnage between Liverpool and Manchester in 1824, by Kenworthy Tobacco and sunfis imported in 1834 Trade with the Baltic in 1828						256 44 138 103	. 92 . 23 . 78 . 82 . 81
Tidal dock, Southampton, particulars of Tin mines, quantity yielding, imports, exports, &c. Tin, weight cast into blocks Tin, imported and exported in the year 1841 Timber, for calculating the weight of Timber freights from Quebec, &c., amount redeemed Tonnage between Liverpool and Manchester in 1824, by Kenworthy Tobacco and snuffs imported in 1834 Trade with the Baltic in 1828 Trade value carried on by British ships, with different nations, in 1833 and	i 1834					256 44 138	. 92 . 23 . 78 . 82 . 81 . 69
Tidal dock, Southampton, particulars of Tin mines, quantity yielding, imports, exports, &c. Tin, weight cast into blocks Tin, imported and exported in the year 1841 Timber, for calculating the weight of Timber freights from Quebec, &c., amount redeemed Tonnage between Liverpool and Manchester in 1824, by Kenworthy Tobacco and sunfis imported in 1834 Trade with the Baltic in 1828	i 1834	45			::	256 44 138 103	. 92 . 23 . 78 . 82 . 81

Traffic estimated to pass on various Railways prior to obtaining Acts Traffic between York, Leeds, Hull, and Manchester, in 1836 Troops travelling by railway Tunnels on the Birmingham railway, &c., number and length Turnpike roads in Great Britain, in 1842 Twist and Yarn, amount and value exported in 1827	24 27	£3 ∷	Page. 62 90 94 78 88 79
Vessels, number and tonnage thereof, belonging to the port of Liverpool, in different years	1	26 	82 87 54 90
Wakefield, increased sale of corn, and warehouse accommodation	86 37 38 12	70	106 102 103 105 82 84
Whitwich collieries, annual produce Wigan, cost of carriage between that place and Liverpool Wildon tin works, annual consumption of coal and fron. Wolverhampton, Dudley, Stourbridge, Stourport, amount of fron made in the various districts Wool, English growth, in 1828	29 34 37 34	8 7 12	96 102 104 101 103 79
Wool, foreign, weight imported into the United Kingdom, in 1833, &c. Wool, Imported in 1844 Wool, British, exported from the United Kingdom, in 1844 Worcester and Staffordshire canal, amount of carriage through Stourport Worcestershire, annual produce of hops, since 1825 Worcestershire salt works, annual make, &c. Worcestershire, increase of the salt trade since 1825 Worsted yarn, amount and value exported in 1836	83 83 89 41 7	0 4	79 41 41 101 101 105 106 79



. • •





.

.

